# The Mining Journal

# RAILWAY AND COMMERCIAL GAZETTE:

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 218 .-- Vol. IX.]

LONDON: SATURDAY, OCTOBER 26, 1839.

PRICE 6D.

## PUBLIC COMPANIES.

#### MEETINGS.

CONSOLIDATED COPPER MINES OF COBRE ASSO. CIATION.—Notice is hereby given, that a HALF-YEARLY GENERAL MEETING of the proprietors of this Association will be held, in conformity with the Deed of Settlement, at the office of the company, 26, Austin-friars, on Tuesday, the 29th day of October inst., at Twelve o'clock precisely. On that day two directors, namely, Robert Passenger, Esq., and George Probyn, Esq., and one auditor, Alexander Druce, Esq., will go out of office, agreeably to the Deed of Settlement, but are immodiately re-eligible, and are candidates for re election.

It is necessary that parties intending to offer themselves as candidates for the direction and auditorship should leave notice of such their intention with the Seceretary, at the office of the company, 26, Austin-friars, at least fourteen clear days before the day of election.

26, Austin-friars, October 8. WILLIAM LECKIE, Secretary.

CONSOLIDATED COPPER MINES OF COBRE ASSOCIATION.—Notice is hereby given, that a SPECIAL GENERAL MEET-ING of the proprietors of this Association will be held at the office of the company, 28, Austin-friars, on Tuesday, the 29th day of October inst., at hair past Twelve ofclock precisely, for the purpose of considering the proprietor of constituting the following resolution, which was paused at a Special General Meeting of proprietors, held on the 39th day of April last:—"That all the clauses in the Deed of Settlement, fixing the Half-yeariy General Meetings in each year on the last Tuesday in April and the last Tuesday in October, be rescinded, and that in lies thereof, from and after the next Half-yeariy General Meeting in General Meeting in the month of October next, such Half-yeariy General Meetings in each year shall be held on such days in the months of January and July as the directors may appoint; and that after the election or re-election of directors and auditors in future shall go out of office, be elected or re-elected, at the Half-yearly General Meeting in October next, the directors and auditors in future shall go out of office, be elected or re-elected, at every subsequent Half-yearly General Meeting in the month of January in each year, in lieu of the mouth of October."

35. Austin friars, October 8.

TMPERIAL BRAZILIAN MINING ASSOCIATION —

MPERIAL BRAZILIAN MINING ASSOCIATION.—

Notice is hereby given, that the HALF-YEARLY GENERAL MEETING of the proprietors of this Association will be held at the London Tavern, on Thursday the lith day of November next, when the directors will fix a DIVIDEND out of the profits of the Association for the confirmation of the proprietors, agreeably to the 42d clause of the Deed of Settlement, and to the bye-law passed at the Special General Meeting of the 6th February, 1828. The chair will be taken at Two o'clock precisely. Winchester-house, Broad-street, Oct. 21.

TORESTON AND WYRE RAILWAY, HARBOUR, AND DRESTON AND WYICE RAILWAY, HARBOUK, AND DOCK COMPANY.—Incorporated by Act of Parliament.—The directors of the Preston and Wyre Railway, Harbour, and Dock Company, hereby give Notice that, in compliance with the provisions of their Act, the HALF-YEARLY MEET ING of the proprietors of the said Company will be held at the Company's Office, 11, King William-street, in the city of London, on Thursday, the slat October inst., at One o'clock, but the same will be then adjourned for the consideration of special matters to a future day, of which due notice will be given.

11, King William-street, October 16.

BRISTOL AND EXETER RAILWAY.—CALL OF TEN PRISTOL AND EXETER RAILWAY.—CALL OF TEN pounds and the sum of £40 per share.—In the directors of this company, under the provisions of the Act of Incorporation, hereby give notice, that the proprietors of shares are requested to pay, on or before the 6th day of November next, at any of the undermentioned banks, the sum of £10 on each of their respective shares.

London—Messers, Giyn, Halifax, Mills, and Co.

Lie epool—The Bank of Liverpool.

Minchester—The South Lancashire Bank.

Bristol—Messers, Miles, Harford, and Co.; Messers. Baillie, Ames, and Co.; Messers. Stackey and Co.'s Banking Company, or at either of their branches; the West of England and South Wales District Bank, or at either of its branches, the National Provincial Bank of England.

Exeter—Messers. Sanders, Sons, and Co.; Messers. Cole, Holroyd, and Co.; the Devon and Cornwail Banking Company; Messers. Milford and Co.; the West of England and South Wales District Bank, or either of its branches.

Who have be enistracted to charge interest at the rate of 2 per cent, per annum on all payments made after the sali 6th day of November next.

Office, 30, Broad-street. Bristol, Oct. 11.

Interest at the rate of 3 per cent, per annum will be allowed on payments in anticipation of calls.

### DIVIDENDS.

HOLMBUSH MINING COMPANY.—The directors hereby give notice, that a DIVIDEND of ONE POUND per share will e paid at the office of the company, on Thursday, the 31st instant, and the following Thursday, between the hours of Twelve and Three O'clock. Scrip certificates to be left

TO THE MINING INTEREST.—The following RESOLUTIONS having been agreed to by numerous friends and supporters of the "MINING JOURNAL." are submitted to the mining community at large, with the view of extending the objects beyond the limits of a private subscription:

Resolved,—That the "Mining JOURNAL," being devoted to the advocacy and advancement of the mining interests, and to the dissemination of knowledge connected with the several branches of science apportaining to the working of mines, as also recording the operations and proceedings of public companies generally, is a publication highly deserving the support and encouragement of the public.

Resolved,—That the thanks of the mining community, and all those embarked in legitimate mining pursuits, are eminently due to Mr. Eventsu, for the spirit and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years in the establishment and enterprise manifested by him during the past four years.

and mine adventurer.

Resolved, "That Mr. Exclisi, in the exposition of abuses, and more particularly in the late action brought by Mr. W. M. Thomas (in which the plaintiff obtained one farthing damages), having subjected himself to proceedings at law, which have been strended with heavy expenses, however favourable may have been the issue, it is proper that he should be held harmless from any pecuniary loss arising from the conscientious performance of his duties, and from which the mining interest has derived so much benefit.

the conscientions performance of his duties, and from which the mining interest has derived so much benefit.

Resolved,—That, with the view of effecting this object, a subscription be immediately opened; and that communications be entered into with parties interested in mining pursuits generally, requesting their co-operation.

Resolved,—That the names of subscribers be requested to be transmitted to the office of Messrs, Asrox and Wallis, 2, New Broad-street, City; and that a meeting be held on an early day, for determining what sum out of the amount so subscribed shall be appropriated to the purpose of presenting to Mr. Escation a lasting testimony of the approbation of the subscribers, of the line of conduct which he has uniformly pursued in conducting the "Minino Jouanal.."

Resolved,—That notices of such meeting be transmitted to every subscriber at least ten days before holding the same; and that, in the interim, lists be published of the subscriptions received—London, September 4, 1829.

The subscriptions received—London, September 4, 1829.

The subscriptions already advertised amount to £362 2s. 6d. The additional list will be published next week.

PATEN SAFETY HE FATEN SAFETY FUSE,
FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARINE
OPERATIONS.—This article affords the safest, cheapest, and most especiatious
mode of effecting this very hazardous operation. From many testimonies to its
usefulness with which the Manufacturers have been favoured from every part of
the kingdom, they select the following letter, recently received from John Taylor,
Esq. F.R.S., &c. &c.—

Enq., F.R.S., &c. &c.:—

"I am very glad to hear that my recommendations have been of any service to
you. They have been given from a thorough conviction of the great usefulness of
the Safety Puze; and I am quite willing that you should employ my name as evidence of this."

dence of this."

Manufactured and sold by the Patentees, BICKFORD, SMITH, and DAVEY, Camborne, Cornwall.

THE THAMES TUNNEL IS OPEN TO THE PUBLIC every day (except Sanday), from Nine in the morning until dark. Admit

THE THAMES TUNNEL IS OPEN TO THE PUBLIC every day (except Sunday), from Nine in the morning until dark. Admit tance One Shilling each. Entrance near the Church at Rotherhithe, on the Surrey side of the River. The Tunnel is brilliantly lighted with Gas, and is now completed to thirty feet beyond low water mark on the Middless shore.

By order,

Thames Tunnel Office, Walbrook, buildings, Walbrook, October.

N. B. Conveyances to the Thames Tunnel, by Omnibus, from Piccadilly, Charling-cross, Freet-street, and Gracecharch-street, also by Steam-boats, at Chelses, Vasuhall, Westminster, Hungerford, Queenhithe, Dyer's-ball-wharf and Loodon-bridge.—Books with plates descriptive of the works are sold at the tunnel, price one shilling.

MINE MATERIALS FOR SALE.—To be SOLD by PRINTER DOWNS and wHEAL TREASURY MINES, consisting of one STEAM-ENGINE, 64-inch cylinder, stroke 9 feet 4 inches, by 7 feet 9 inches, with 20 tons of boilers, balance bon, &c., complete.

1 30-inch ditto, with 18 tons of boilers, stroke 9 feet 8 inches by 8 feet, balance bob, &c., attached.

1 42-inch ditto, with 5 tons of boilers, stroke 9 feet by 74.

1 24-inch ditto, with 5 tons of boiler, stroke 9 feet by 74.

1 24-inch ditto, with 7 tons of boiler, 5 feet 3 inches, equal beam.

1 20-inch single-acting STEAM-WHIM, 45 feet stroke.

1 20-inch ditto

1 20-inch ditto

1 20-inch ditto

1 20-inch single-acting STEAM-WHIM, 45 feet stroke.

1 20-inch ditto

2 20-inch ditto

2

the different engines.

Sixty-two fathoms of 15-inch Pumps, seventy fathoms of 14-inch ditto, twenty-free fathoms of 19-inch ditto, thirty-five fathoms of 19-inch ditto, twenty-free fathoms of 19-inch ditto, twenty-five fathoms of 10-inch ditto, twenty-five fathoms of 10-inch ditto, twenty-five fathoms of 5-inch ditto, twenty-fathoms of 5-inch ditto, one 18-inch fitten fathoms of 5-inch ditto, one 18-inch fitten, one 18-inch ditto, one 18-inch di

ticularise.

For further information apply to Captain Gregor, Praze, near Camborne; and, to treat for the purchase, to Agents on the mine.

Dated Binner Downs, Oct. 2.

TO BE SOLD BY PRIVATE CONTRACT, all that Valuable O BE SOLD BY PRIVATE CONTRACT, all that Valuable MINE, called PARBOLA, situated in the Parish of Gwinear, with the Materials thereon, consisting of a 38-inch CYLINDER ENGISE, from beam and boiler, 26 feet long; Capatan and Shears, and Capatan rope; 36 fathom of 11-inch Pumps with 21-hipeces and Door-pieces, to suit; two 11 inch Piumger-poles with cases, stuffing boxes, and glands, complete, 8 fathom 9-inch Pumps; 36 fathoms 7-inch Wood rods, with plates, boits, and bars; two Stamping-mills, one is and one 26 feet diameter; 170 fathoms 14-inch Launders, Buddles, Frames, Kieves, &c., &c., three Horse-whims with Chains; Kibbies, and all other conveniences for prosecuting the said Mine; the above materials are nearly new.

For a view of the same, apply to the agent on the Mine; and for price and further particulars, to Mr. C. H. Richards.

Marazion, October 22.

NEAR BEDDGELERT AND THE CELEBRATED PASS OF ABERGLASSYN. ALUABLE and EXTENSIVE FREEHOLD ESTATES, possessing RICH COPPER MINES and VEINS OF SLATE, between Carnarvon, Capel-Cerig, and Fortmadoc, with a good sporting domain; the two estates comperising ABOVE ONE THOUSAND THREE HUNDRED ACKES, with a beautiful river and lakes, abounding with salmon and trout, amidst some of the most sublime and romantic scenery of NORTH WALES.

abounding with salmon and trout, amidst some of the most sublime and romantic seenery of NORTH WALES.

MESSRS. DANIEL SMITH AND SON are instructed by the proprietor to other for SALE BY AUCTION, at the Mart, near the Bank of England, on TUESDAY, October 29th, 1899, at Twelve o'clock, the valuable estates of SYGAN-FAUR and HAPODYDD-BRITHION, in the counties of Merioneth and Carnarvon, in the romantic value of BEDDGELERT. The first offering to capitalists, and the mining interests in particular, an important property. The COPPER MINE from which ORE of THE VALUE of SEVERAL THOUSAND POUNDS has been raised, being now in hand, with the powerful water-works and other machinery; also, a most attractive landed investment, comprising ABOUT THREE HUNDRED AND FIFTY ACRES, with several fine sites, for the erection of a mansion or villa, bounded by the beautiful windings of the Aberglassyn River, and extending to Dina's Lake, in the midst of splendlid mountain scenery, embracing Snowdon, and within half a mile of the village and inn of Boddgelert, on the turnpike-road to Capel Cerig.

The other estate of HAFODYDD-BRITHION (about two miles distant) offers a fine and very improveable investment, comprising ABOUT ONE THOUSAND AND TWENTY-TWO ACRES, in a perfect ring fence, with a beautiful lake and other waters, abounding with fish and will fowl, and the domain with a variety of game, grouse, Ac. On this estate FINE VEINS OF SLATE HAVE BEEN OPENED, and die well for being easily worked. The produce of the mines is now conveyed along the turopike-road to the shipping place by the owners of adjoining mines.

Mr. Roberts, of Beddgelert, will show the estates, and descriptive particulars,

adjoining mines.

Mr. Roberts, of Beddgelert, will show the estates, and descriptive particulars, with plans, may be had at Beddgelert; at the chief inns at Bangor, Liverpool, and Birmingham; of Messrs. Williams and Breese, Pwilhell, and Portunder; the vendor's solicitors; of Mr. R. L. Ellis, surveyor, Caronavon; at the Auction Mart; and at Messrs. Smith's offices, Waterloo-place, Pall Mail, London; and Windsor, Berks.

TO BE SOLD, by private contract, one 63-inch Cylinder EN-GINE, with Iron Beam and Condensing Work complete, and one or two Boilers. One 45 inch Cylinder ENGINE, Iron ueam and Condensing Work, with-out Boiler. One 21-inch Cylinder Engine, without Boiler. A large quantity of Pumps, Working Barreis, H and Clack-seat Pieces, Windbores, and a great variety of other Mining Materials.—Apply to Captain W. Richards, Great Wheal Fortune, near Marazion.—Dated October 14.

SERK SILVER-LEAD AND COPPER MINES.—A FEW SHARES in the above valuable mines may be obtained on application to Mr. nas Boxer, 4°, Lothbury, where specimens of the ore may be seen, and all saary information obtained.

TEMPLE COPPER MILLS, Berks.—TO LET ON LEASE, from Lady-day next, the above EXTENSIVE MANUFACTURING PREMISES, water power, with right of nine thoroughs, situated on the fiver Thames, thirty miles from London, and five miles from the Great Western Railway Station. For forther particulars, apply to Mesars. Bloxam and Ellison, solicitors, Lincola's Inn-fields, London.

JOSEPH JOHNSON has the pleasure to inform his friends that, in partnership with DUNCAN LITTLEJOHN, he has commenced business in the IRON, STEEL, AND METAL TRADES, under the firm of Johnson and

Atticions.

They have arranged with the well-established and highly respectable house ter Stubs, E.q., Warrington, for the sale of his very superior steel files and to adwith another most respectable house in Sheffield for a variety of qualities of the sale of the sale

similar articles.

By attention, industry, and perseverance, they hope to obtain and secure a fair share of support, respectfully soliciting which, they remain,
Your obedient servants,
JOHNSON AND LITTLEJOHN.

TALACRE COAL AND IRON COMPANY.-TALACRE

Quarries at Talacre, North Wales, a cargo of this SUPERIOR STONE, so much dmired by eminent Architects and Builders who know its excellent quality.

May be seen at Mr. Robert Adams', Old Barge House Wharf, Upper Ground-treet, near Blackfriars-bridge.

73, Graccehurch-street, Oct. 23.

W. WESTON, Jun., Secretary.

BLUNDELL'S PATENT PALM-WAX CANDLES, 14s. per dozen pounds, are superior in illuminating power and equal in durability spermaceti or bee's wax candles; they do not require snuting, and, from their soliness and firmness, are admirably adapted for burning in crowded apartments, d for exportation to hot climates. Sold (wholesale) by simplell, Spence, and Co., Queen-street, Cheapside, London; and (retail) by most respectable dealers in and country.—A liberal discount to the trade.

BY THE QUEEN'S PATENT.

To Engineers, Railway Directors, Steam-Boat Proprietors, Manufacturers, and others requiring Steam Power.

others requiring Steam Power.

M ESSRS. BUNNETT and CORPE respectfully solicit attention to their new PATENT CONCENTRIC STEAM-ENGINE, which, by its novel formation and arrangements, combine compactness of form, increase of power, speed, and economy in working, to an extent hitherto unattainable. Becariptive plans and particulars, also cards to view the Engine in operation at their ENGINE and PATENT REVOLVING IRON SHUTTER WORKS, Daptford, may be obtained at their office, No. 28, Lombard-street, London.

Where also may be seen, specimens of Fairbank's Patent Platform WEIGHING MACHINES and WEIGH-BRIDGES, for which they are appointed sole agents for London and its vicinity.

WE, the undersigned FREEHOLDERS, INHABITANTS, and others interested in the county of Cornwall, header Buttants, and others interested in the county of Cornwall, hereby request TO NVENE & COUNTY MERTING, for taking into consideration the expectage polying to Parliament for the purpose of obtaining a RALLWAY THROUGH COUNTY, and for considering the enseares proper to be taken for that —Falmouth, Octob er S. JOHN ELLIS, Mayor of Falmouth, Chairman

Lord Falmouth
Lord Roscawen Rose
R. H. Vivian
C. Lemon
R. M. Roife
Edward Pondarves
Mr. Trefry
James Porteous
K. Turner
J. Hearle Tremayne
W. J. Coope
Michael Williams
R. S. Sufton
William Moiseworth
Stephen Brougham
Wm. Corfield, Mayor of
Penrya
James Bnil
S. Blight
Thomas Andrew
James H. Read Lord Falmouth Thomas Andrew
James B. Read
J. Jacob
M. J. Jacob
William Reynolds
William Neynolds
William Vice
J. B. Enys
Anthony Read
William Lobb
James Passmore
Philip Sambell
W. Clatworthy
William Gasson
Jasaes Hamilton
Henry Williams Michard Moyle, of Penzance Richard Pearce James Cornish F. Rogers Alfred Fox Francis Pender J. Olver W. R. Broad R. R. Broad R. J. Kinsman W. R. Broad R. R. Broad R. J. Kinaman William Ricketby Alfred Broad Thomas Truscott W. G. Abrahams Henry Polglase Francia Diunis James Genn John White W. R. Ellis Francis Treleaven

G. P. Nash
William Carne
Thomas P. Dixon
Joseph Sambell
Henry Bradfield
John Hockins
William Treblicek
James R. Casnell
L. S. Boyne
W. H. Crowgey
Thomas Olver, jun.
Pichard Kehards
W. J. Clarke
G. J. Nash
John Gill
Stephen Willcock
James Mead
John P. Duoning
John Triggs
R. W. Fox
William M Dowell
E. Gilbert
Nicholas Poffard
Nicholas Poffard
Nicholas Poffard
Nicholas Tresidder
Thomas Rogers
Stephen Whettem
Thomas Rogers, jun.
Mark S. Bassett
F. S. Pawsan
Thomas Bennett
Reginald Julyan
W. H. Hearle
T. H. Earle
C. H. Earle I. H. Earle
Jolin Sanders
J. Hodge, Mayor of Truro
W. P. Kempe
B. Whitnan
Fhomas Hocker
Clement Carlvon
W. M. Tweedy
Robert Michell
James Parquharson
G. A. Kutght
William Vice
John Baynard
Francis Hingston
John Tippett
E. S. Spy
Thomas Treboar
H. Willyams
O. Williams
John Ferris
W. H. Bullmore
Francis Passingham
Francis Passingham
The Columns
The Colum Trancis Passingham
V. T. Chappel
osephus Ferris
S. Stansmore
ohn Cooke, Mayor of John Cooke, Mayor Launceston John Braidan Thomas John Phillips John K. Lethvidge Francis Rodd Thomas Pearce A. H. P. Lawrance Charles Gurney Heury Pethick

or of taken for the or of Faimouth, Chairm
James E. Proctor
William Spear Casser
Rd. Penwarden, jun.
R. A. Penwarden, jun.
R. A. Penwarden
Joseph Ford Smith
William Procter
Theodore Bray
William Hughes
W. R. Bray
William Spettigue
Thomas Ching
John Ching
Joseph Branwell
P. T. Pomery, Mayor (
Lostwithiel
W. A. Crotler
A. Thomson
A. H. Langdon
G. B. Lawrance, R.N.
William Hicks
William Bargess
Richard Lanyon William Hicks
William Burgess
Richard Lanyon
J. S. Avery
William Collins
J. W. Colenso
J. Westake
William Avery
Glynn Grylls, Mayor of
Helston
Loba Milroster Heiston
John Silvester
C. Wallis Popham
James Plomer
Frederick Hill
John Kendall, JunJohn Kendall, JunJ. Rogers
R. G. Gryth
Roger Wearne, Mayur
of 82. Ives
William Bazeley
Richard Hitchins
W. J. Havart
William Hitchens
Richard Stephens
Richard Stephens
Of Bodmin
Charles Cooste J. Essou Richard Bright Thomas Clarke George Geach John Pethybridge John Pethybrid Thomas Pearse J. Hamley Preston Wallis J. P. Vercoe James Harvey Joseph Pascoe S. H. Liddell J. Baron John Belling

T. H. Tuly
In compliance with the above requisition, I appoint TUESDAY, the 29th instant
or holding a COUNTY MEETING, at the shire Hall, Bosmin, at Twelve o'clock.
Colquite, October 16.

D. PETER HOBLYN, Sheriff.

# LLEGE FOR CIVIL ENGINEERS. PARSIDENT-HIS Grace the Duke of BUCCLEUCH, K.G., F.R.S.

Parsident—His Grace the Duke of Buccleuch, K.G., F.R.S.

COUNCIL OF ADMINISTRATION.

GRAIMEN.

His Grace the Duke of Richmond, V.P.
The Marquis of Tweeddale, V.P.

Berling Tweeddale, V.P.

Despry-Charlens N.

The Right Hon, the Earl of Devon, V.P.

Berkley Westropp, Esq.

BANKERS.

Messrs. Snow, Strahan, Paul, and Co., Messrs. Williams, Deacon, Labouehere, and Co., 20, Birchin-lane

Solictrons—Messrs. Bridges and Mason, 23, Red Lion-square.

Scourage New Mason, 13, Red Lion-square.

Scourage New Mason, 13, Red Lion-square.

By order of the Council,

Office, 58, Pall-mall.

Prospectures may be had at the office, where every information will be given; of the solicitors, Messrs. Bridges and Mason, 23, Red Lion-square; of Mr. Wester architectural library, 59, High Holborn; of Mr. Setchell, bookseller, 23, King-atreet, Covent grarden; and at 24, Cornhill, City.

All communications must be post-paid, and addiressed to the secretary.

DAILWAY MAGAZINE, and COMMERCIAL JOURNAL.

All communications must be post-paid, and addressed to the secretary.

ALLWAY MAGAZINE, and COMMERCIAL JOURNAL,
—This Work, which has attained the greatest celebrity for the value of its
articles, and its uniform success in all causes it has advocated, will now be published weekly, price Sixpence, and go post free. The first Number was published on
the 17th August, consisting of tweety-four closely and handsomely printed pages,
it is intended to contain full and accurate reports of all railway and joint-stock
meetings, accounts of new companies, banks, mises, assurances, cenals, dockin
times and fares of all railway trains throughout the kingdom; prices of stocks,
shares, gold, silver, cotton, even, wood; general, mechanical, and sejentific intelligence, &c. &c. Orders received by all news agents, and for receiving advertion court, Fieed-screet, London. Agents for the paper, and for receiving advertisements, in Liverpool, Arnold and son, Post-office-place, Manchester, Lowdon,
Market-screet, and Birmingham, Mussell and Co., M., Union-street.

Market street; and Birmingham, Massell and Co., 31, Union-street
THE NEW SCIENTIFIC, LITERARY, AND DRAMATIC NEWSPAPER,
Published every Saturday Morning, at Seves o'clock, price sd. (stamped); also, in
Monthly Parta, with the magazines. (Pare I, and II, are now ready).
THE INVENTORS' A DVOCATE, AND PATENTEES'
RECORDER; A WEEKLY BRITISH AND FOREIGN MISCELLANY OP
INVENTIONS, DISCOVERIES, AND THE FINE ARTS.
SELECTED RESEARCH FINE ARTS.
"The 'Inventors' Advocate' is a new weekly contemporary, embracing a very
wide field of arts, sciences, and literature. \* "Its principal feature is the
record of patent inventions, both domestic and foreign. This will be a most useful
guide to projectors and inventors and any suggestions to improve our patent law.

record of patent inventions, both domestic and foreign. This will be a most useful guide to projectors and inventors; and any suggestions to improve our patent laws are also very desirable."—Literary Guzette.

"A new periodical, entitled the 'Inventors' Advocate.' has just been published by Mr. Kidd, of Tavistock street, Covent garden. We think the design a good one, and wish the publication very success. As it is intended to be a Weekly British and Foreign Miscellany of Inventions, Discoveries, and the Fine Arts, it will magne particularly apply itself to inventors, patentees, and patrons of the arts, but as it also contains the usual characteristic features of a literary paper, it cannot fail of being interesting and attractive to the public in general. It purposes to after an efficient medium of communication between inventors, patentees, capitaints, and the public at large—calculated at once to do justice to the inventive genins of all nations, and to circli the stores of innate intelligence and capacity, which lie hidden or neglected from a deficiency of patronage or of fostering protection, or a mere want of lands. The 'Inventory' Advocate, and Patentees' Recorder,' is not designed to be of an episceneral nature, but to form a work of constant reference, having relations to all inventions and discoveries, and being conducted on a piny which will at once save much labour and research to an inventor, and guarantee a safe outsty to the capitaliet. A work of this nature is certainly still a desideratum, and we have no doubt that this new periodical will ably and efficiently supply it."—Consecutive Journal.

"In addition to its more immediately-avowed features—aclessee, inventions, disjected both to managers and actors. 'To be honest,' ears Will, shakapears,' and erfected both to managers and actors. 'To be honest,' ears Will, shakapears, and trace go, is to be one man picked out of fen thousand,' and certainly an honest the street of the proprietors, every features on, is to be not continued to the proprietor

#### RAILWAY INTELLIGENCE.

LONDON AND BIRMINGHAM RAILWAY.—The whole of the repairs of the permanent way, &c., throughout, from London to Rugby (eighty miles) have been contracted for, for a period of seven years, by Mr. Jackson, who was formerly a heavy contractor on that line during its formation. RAILWAY FROM HAMPION TO WARWICK AND LEAMINGTON.—A new line of railway, from the Hampton station to Warwick and Leamington, is being surveyed. From what we know of the country, we should think the levels good, and that it will have the advantage of interfering very little with the comforts and conveniences of private individuals. It appears to be one of the few lines which will, probably, be encouraged by sppears to be one of the few lines which will, probably, be encouraged by the landed proprietors through whose estates it is intended to pass. A strong opposition to the line from Coventry to Leamington has already been manifested by Lord Leigh, Mr. Gregory, the Hon. Mr. Percy, and others.—Birmingham Advertiser.

been manifested by Lord Leigh, Mr. Gregory, the Hon. Mr. Percy, and others.—Birmingham Advertiser.

Railway prom Newcastle to Blaydon, on the north side of the river, commencing from the station west of the Infirmary, and forming part of the Newcastle and Carliale Railway, was opened yesterday. There was nothing remarkable transpired, except that several very elegant and commodious omnibuses were to be seen plying for the first time between the station and the different inns in the town. The change is an undoubted improvement upon the old plan of the passengers coming to Redheugh, and thence by steamboat to the Close.—Tyne Mercury.

Emerican or a Terminus at the Greenwich Railway.—On

boat to the Close.—Tyne Mercury.

ERECTION OF A TERMINUS AT THE GREENWICH RAILWAY.—On Monday last a number of workmen were actively engaged in excavating and marking out the ground opposite Queen Elizabeth's alms houses (belonging to the Drapers' Company), preparatory to the erection of a grand terminus at the Greenwich end of the railway.

RAILWAY COMMUNICATION BETWEEN ENGLAND AND SCOTLAND.—

W. Modern Middle has received a letter from Mr. Labouchers. Presi

Mr. Hodgson Hinde has received a letter from Mr. Labouchere, President of the Board of Trade, intimating that "the Lords of the Treasury have been engaged in the selection of proper persons," to inquire into the best line of railway "between London and the cities of Edinburgh and Glasgow," and that "no long time will elapse before measures are taken to comply with the orders of the House of Commons."

## OPENING OF THE RAILROAD FROM NAPLES TO

OPENING OF THE RAILROAD FROM NAPLES TO CASTELLAMARE.

This railroad was opened on the 3d inst., by the King in person. Three marquees were set up at Villa Carrione, near the station at Portici, at which the King, on alighting with the royal family, was received by the Minister of the Interior, a commissioner appointed by the French shareholders of the company, a Nespolitan commissioner, and the chief engineer. The French commissioner, M. Dubois, made a suitable address to His Majesty, to which the king replied in the most gracious manner, taking occasion to say—" I experience great satisfaction at seeing Frenchmen uniting their interests with Neapolitans in this fine undertaking. This railroad will assuredly be of great benefit to commerce and industry. I have given my entire protection to this, the first essay of the kind in Italy, and, being convinced of its utility to my people. I contemplate, on the termination of your works as far as Nocera and Castella, a continuance of the communication by Avellino to the Adriatic. It will give me pleasure to cater into an association with the French." At a signal from the fort of Grenatello a train started from Naples for Portici, the waggons being filied with soldiers and sailors, waving flags, and bands of music playing national and popular airs. The religious part of the ceremony followed. Monsignore Giusti, in his pontifical robes, recited appropriate prayers, and pronounced his benediction on the undertaking. Another train, with the royal and court carriages, came up, and the king and the royal family, accompanied by the Minister of the Interior, the commissioners, and other authorities, proceeded in them to Portici, where His Majesty and the royal family, with the minister and commissioners alighted, the rest of the party remaining in the carriages. Having minutely examined the locomotive engines and other parts of the establishment, His Majesty and the court returned by the ordinary road to Naples. The railroad was in the afternoon given up to the public. The Kin Merit of Francis I .- a distinction the more honourable, as there are only 100

#### ON RAILROADS-THEIR OBJECTS AND RESULTS

Mr. W. Pietsch, in his able article on the advancement of German industry, offers some observations on the subject of iron railroads. According to his statement, it appears that most of the English lines—excepting the Liverpool and Manchester, the London and Birmingham, and some two or three others—do not yield more than from 4 to 5 per cent. interest. As the remarks of Mr. P., notwithstanding their general soundness, might in some cases do prejudice to railroad speculative enterprise, we trust our submitting the subject to a closer examination will not be taken amiss.

remarks of Mr. P., notwithstanding their general soundness, might in some cases do prejudice to railroad speculative enterprise, we trust our submitting the subject to a closer examination will not be taken amiss.

At first, there should be established only an extensive system of railroads, to facilitate the commercial intercourse between the North Sea, as also between those countries bordering upon the lines of these great roads, and the provinces in the vicinities of such rivers as the Scheldt, Rhine, Weser, Eibe, Oder, the Rhine, Danube, Black Sea, and Mediterranean. These German railroads are not to be reckoned as the means of internal communication alone, for the mere interior intercourse is sufficiently well performed by tram-ways for horse power, and good practicable common roads; the latter preferably, which may unite with the various termini of the grand steam trains. That these modes of internal communication are generally sufficient is proved in France, Belgium, Germany, and even in England itself.

The united railroads from the Loire, did the Mediterranean, rid Paris, Belgium, through Prussia to the Baltic; from the Baltic vid Berlin, through Austria towards the Black Sea and the Mediterranean; afterwards from Berlin through Austria icid St. Petersburg, Moscow, to the Caspian Sea; and theuce, perhaps, stretching themselves out to India, whereof the Berlin, Saxony, and the Rhine lines, may be regarded as the beginnings, cannot, consequently, be looked upon as the means of internal correspondence and consequently, be looked upon as the means of internal correspondence and consequently and streams of industry,

sand thence, perhaps, stretching themselves out to India, whereof the Berio, Saxony, and the Rhine lines, may be regarded as the beginnings, cannot, consequently, be looked upon as the means of internal correspondence and communication alone. They will form so many new land streams of industry, practicable in all times and scasons, in storm or sunshine, in winter or summer; and the produce of commercial industry will go on to its destination, secure from the vicissitudes of the tempest, the obstacles of ice-bound rivers, or other changes of the unstable elements.

The crossing of these land streams of industry—the railroads, through the precints of the great rivers, will give the historical events of our century such a signification and extent, as the German middle ages could not even have conceived the possibility of; because to them were unknown railroads, steamengines, and the other mighty mechanical expedients of our times, to lighten labour, and to bring the ends of the earth into regular communication. Russia, with its Caspian Sea, its large rivers, forests, and plains of everlasting anow and ice, is, in respect to the western part of Europe, what Germany and the Baltic were, formerly to the Roman empire. The period, however, may not be very remote, when, united by canals, railroads, &e., in its interior relation with Axia, cultivating its immense resources, and emerging from the seclasion under which its commercial intercourse with Germany and the west of Europe has hitherto existed—Russia shall raise itself to a pitch of greatness, a height of commercial prosperity and wealth, unequalled in the annals of the world.

We have entered into this exposition in order to show that the railroads.

We have entered into this exposition in order to show that the railroads We have entered into this exposition in order to show that the railroads, which shall unite the east with the west, must, in time, become as important for Europe as are at present for America those uniting the Hudson and the St. Lawrence to the Mississippi; notwithstanding they are not yet in perfect conjunction. The statements that have been published as to the low rate of interest afforded by these speculations must be regarded as essentially premature; particularly as the Belgian or British railroads cannot form a rule for construction. for our reference, much less those of France. We must create a system for

for our reference, much less those of France. We must create a system for ourselves—a system that shall be applicable to our general intercourse, and that will stand in unison with the manners and habits of the people.

There are two especial reasons why the Engli h railroads yield a profit only when they command an unprecedented traffic, by being the only best means of transport and intercourse when every one is, in fact, constrained to make use of them. The first ground is, the expensive method of construction, the great consumption, and often waste of materials and labour in tunnels, viaducts, bridges, and buildings; and further, the costly system employed in the general maintenance of their lines of road. The second, and most important reason of their put yielding a profitable extract is in the high prices. the general maintenance of their lines of road. The second, and most important reason of their not yielding a profitable return, is, in the high prices charged for goods and passengers; which prices, it seems, must be still increased, in consequence of the immense outlay in the construction, &c. These high charges must evidently originate in a false principle; as their reduction to a moderate scale would inevitably bring large quantities of merchandise, and a multitude of passengers, who, at present, prefer the navigation of seas, rivers, and canals, because they either cannot or will not pay the enormous charges of the steam, trains. The best English engineers—we mean those who have attained their object with the most limited means, have, in their depasitions before Parliament, deplored the extravagant prices paid for railway werk, and have instanced individuals who began to work upon the earlier railroads as simple daily inbourers, but who, after a few years, became contractors for works, and left off as the possessors of tens of thousands. Ja consequence of the high prices of provision in England, the daily wages are at least three times greater than in Germany, and the cheap-est railroads in the former country cost double as much as the dearest ones do in the latter; therefore, for this one sufficient reason, we must not take the English railroads as patterns. Every one who will read the records of the transactions of Parliament on this subject, will there find our assertions fully corroborated.

illy corroburated.

The Belgian railroads have also not yet produced higher interest than from it to 5 per cent., excepting in the year 1836, when they paid 164 per cent.; is causes of this are to be found in several circumstances applicable to tem, one or two of which circumstances may be regarded as peculiar:—

1st. Many of these railroads were projected and laid down at the same ime; this occasioned an excessive outlay, for which, in some instances, sere has been no return, as the roads have never been brought into operation.

2d. The prices of transport, in reference to the universal improvement of the country, were placed too low.

3d. Belgium in consequence of its relations with other countries, as for natance, Holland, is isolated.

4th. Its railroads have as yet been employed only as a means of internal beyond beyond beyond become heread become heread become heread become the countries and beyond beyond become the countries and beyond bester between the believe the between the behave the beautiful the

3d. Beigium in consequence of its relations with other countries, as for instance, Holland, is isolated.

4th. Its railroads have as yet been employed only as a means of internal communication; for not one of them has been permitted to extend beyond the frontiers of any of the neighbouring states.

Therefore, it can only be when all these at present isolated Belgian roads shall be brought into junction with the western and southern states of Germany, Switzerland, &c. (through the establishment of the line from Liege to the Prussian frontiers), and when all radii to the same have been opened, and their grand aim, the union of the Scheldt and Belgium, with the interior of Germany and France, shall have been accomplished—it is only then, we repeat, that their great importance can be justly appreciated, and their value as investments for capital fully known; and when this perfect plan has been worked out, then also will be seen, and universally acknowledged, the genius and enterprise of the talented projector.

The North American railroads would not have paid so well as they have done, nor their shares reached their present high value, if their construction had not been so many illustrations of the practically economical intelligence of this people, who judiciously confined themselves to the employment of such materials as were at hand, and which were cheaply available to the purposes required.

such materials as were at hand, and which were cheaply available to the purposes required.

In several earlier numbers of our publication, we have referred to a new and practically simple method of constructing dams for causeways, which has in view the rapid completion and opening of extensive lines of road; the avoiding of frequent tunnelling; showing also the possibility of establishing trains over tracts of country, where, according to the old method, either in consequence of the length of time required for the completion, or the immense cost of the undertaking, they would be abandoned as impracticable; and more particularly have we pointed out the means of diminishing the excessive charges for keeping the roads, engines, &c., in working order. If these methods be pursued, our railroads will yield as high an interest as the American, or the best English and French, if not higher—always, of course, supposing that they shall, sooner or later, become sections of the great European-Asiatic system of steam trains, and not remain merely as media of internal communication.—Inventors' Advocate.

#### CHESTER RAILWAYS.

We have received a variety of communications relative to the recent amalgamation of the Chester and Crew: Company with the Grand Junction Company. The majority relate to the personal question between the directors and the proprietary. With that we have little or nothing to do, beyond the expression of our individual opinion that the former have made an advantageous bearing for the latter. pression of our individ bargain for the latter.

pression of our individual opinion that the former have made an advantageous bargain for the latter.

There is however a public question—not merely a Chester question, but a public question in a more extended sense of the phrase involved in this transaction, and on which the public, and particularly the citizens of Chester, are entitled to every information, as they have a right to have their interests fully considered and protected in any negociations, inasmuch as the pretence for chartering railway companies, and entitling them to cut up the country, in as much and more for the public benefit and convenience as for individual benefit. It is an obligation on such companies to complete what they have undertaken, and as far as circumstances will permit, and they have the power, to realise to the public all the advantages they originally set forth. We have hitherto given an unflinching advocacy to the geatlemen composing the Chester and Crewe Railway directory, because we not only concurred in all their views, whether in respect to their own line, or in extending the railway system in connection with that line into the heart of Engiand, into North Wales, &c., or making the Dee navigable for large vessels to come up to the Chester termini of their line, but also because we felt they were entitled on public grounds to the fullest confidence. Notwithstanding what was alleged against them last week, by gentlemen having interests diametrically adverse to Chester, we felt they were incapable of sacrificing Chester, or leaving unfulfilled any public obligation to which they were either legally or morally bound. The result has fully justified the reliance of those of the proprietary who were not led away by the sophisms of Mr. Walmesley, and has extorted even from the dissentients the tardy tribute, that not only have the proprietary been rescued from a most embarrassing position, for which the directors were in no respect responsible, but that the interests of the line, of Chester, and of the districts with which it is

The main apprehensions expressed at the meeting were, that the line would The main apprehensions expressed at the meeting were, that the line would not be adequately and efficiently worked, as if any company would permit a line worth 250,000*l*. to lie dead when it might be worked to a profit; and also that it might lead to Chester being deprived of the most direct means of railway communication with the metropolitan and manufacturing districts. We, at the same time, were aware that negotiations were going on, which must, if completed, inevitably secure these advantages. The Chester and Crewe directors were, doubtless, also in possession of similar information, but of course they were not in a situation to use it in answer to what was advanced. We believe every thing is now irrevocably arranged, and on a basis highly directors were, doubtless, also in possession of similar information, but of course they were not in a situation to use it in answer to what was advanced. We believe every thing is now irrevocably arranged, and on a basis highly beneficial to all parties, and certainly most beneficial to the interests of Chester. The Extension Company have arranged their differences with the Grand Junction Company. The line from Manchester will run into the Grand Junction line at Crewe, and diverge from it at, Chepstow to Rugby, where it will join the Birmingham and London. Manchester will thus enjoy a direct line to Birmingham, and also a direct line to London, avoiding Birmingham. Chester will enjoy a direct line to Manchester will crewe and the Extension, and a direct line to London vid Rugby, avoiding Birmingham, and shortening the distance and lessening the charge of carriage very considerably. The rate of passenger traffic will be 2½d, per mile, and the facilities will be unimpeachable, as it will be compulsory that the two companies shall have liberty to use each other's line, so that passengers will neither have to wait at the stations or points of junction, nor to change carriages. The arrangement is highly advantageous to our Birkenhead neighbours, therefore we apprehend their jealousy will now subside. It will bring an immense traffic on their line; and as the railway intercourse of the United Kingdom is hereafter to be conducted on the reciprocal principle of using each other's lines (for unless that arrangement is acted on, it will be compelled by legislative enactment), that company will have the advantage of running having other's lines (for unless that arrangement is acted on, it will be compelled by legislative enactment), that company will have the advantage of running their passenger traffic on the united line in their own carriages, and also of having their line used by the carriages of the united company. With respect to the efficient working of the Chester and Crewe line, in connexion, with the Grand Junction, and all the lines with which that line is in connexion, we are in a condition to state, that the resolution of the Chester and Crewe proprietary has been fully adopted by the Grand Junction directory, so that on public grounds the Chester have every reason to be fully content. So far as cheap railway communication with the most important districts of England is attainable, we could not be better circumstanced, nor enjoy greater facilities.

with the most important districts of England is attainable, we could not be better circumstanced, nor enjoy greater facilities.

When we alluded a few weeks since to this arrangement, we anticipated every thing that has takes place. We congratulate all parties concerned on its successful secomplishment. It is clearly the interest of all the contracting parties that other projects connected with the city of Chester should be persevered in. We allude specially to three, the Ruabon Railway, the improvement of the Dee, and the Great Anglo-Hibernian Railway via Holyhead.

The Ruabou Railway will bring most important districts both for passengers and production; into immediate connection, with Chester and the noticely

provement of the Dec, and the Great Angio-Hilberman Railway and Froyneau. The Ruabon Railway will bring most important districts both for passengers and productions into immediate connection with Chester, and the united lines of railway. The traffic in coals alone must be very considerable; and if as we are informed by scientific men of the first eminence, the Ruabon coal produces coke of the very first quality for locomotive engines, that is an additional reason for the making of this railway; inanumch as the greatest difficulty this method of transit has to contend with, is the supply of fuel of an adequate quality, and we believe, that in the whole of the north-west district, there is only one solitary coal-field, and that of limited extent, from which coke of a proper quality can be obtained. The anticipation is, that the Ruabon coal-field is destined to supply coke for all the railways in the north-western and midland districts of England. The Ruabon Railway completed, and the Ruabon coal-field opened, the improvement of the river bee becomes inevitable. The luckwarmness of one party, and the interested hostility of a second, may retard that great desideratum to the trade of Chester and the manufacturing and midland districts; but when that railway and the Pottery line, which the united company are bound to construct, are in active operation, then if Chester will not open the estuary of the Dec, so as to bring vessels of large burthen to the walls of the city, other parties will. At the same time it is humiliating to acknowledge, that whatever is projected to the same time it is humiliating to acknowledge, that whatever is projected to benefit Chester, does not receive adequate encouragement from her citizens but on the contrary, the wait the tide of events, and endanger the palpable advantage which must necessarily result from prompt measures of support—

Busticus expectat dum defluat annis; at life

"Labitur et labetur in come volubilis event."

These two projects ought actively to engage the attention of the citizens of Chester. They are now of pressing importance. That they are attainable, and at a remunerative cost, we have the sacction of the highest scientific authority—an authority, or rather tathorities, we will undertake to say, not to be frittered down by the hypereritieism of any empiric, or the hostility of any adverse interests. With respect to the Great Holyhead Railway, we regard that as the next consequence of the present arrangement. But this is a question upon which we shall not now enter. Our present daty is again to press upon the citizens of Chester not to neglect the river improvement.—Chester Chronicle.

#### BANKING IN SCOTLAND.

The subject of Banking is now so generally interesting, and the opinions on the best mode of conducting these establishments are so conflicting, that the following article, which we copy from the Times, will probably be acceptable to our readers:—

nions on the best mode of conducting these establishments are so conflicting, that the following article, which we copy from the Times, will probably be acceptable to our readers:—

It would appear from the printed report of certain preliminary proceedings in the Scotch courts, arising out of an action for damages, that the Scotch system of banking, about which so much has been written and boasted, is by no means that perfection of paper money wisdom which has been pretended, and not contradicted, so long. In the following statement of leading particulars in the case referred to, it must be understood that, the proceeding being ex parte and not yet terminated, no opinion can fairly be hazarded on its merits with reference to the special point at issue between the litigant parties; therefore, that facts only, with respect to conclusions, are here dealt with which seem mutually agreed upon, and that such other points as may be touched upon by way of rendering the whole more clear, must be accepted as the allegations of the complaining party alone, which may or may not be well founded, but to which it may be fairly presumed that a satisfactory justification will be set up by the respectable powerful defendant in bar.

The pleadings go to aver in substance, that Mr. David Sutherland, a merchant of Wick, where he had a commercial establishment, but since 1856 esident in Limerick, where he seems also to have carried on business, had an account with the branch of the Commercial Bank of Scotland in the former place, on the usual footing, as alleged in the exparty elpedings, viz.—that "it was an understanding betwix the said David and Josiah Sutherland (the original firm) and the said bank, and their said agant, that any acceptances of theirs falling due at said branch, should be placed to their account, when due, and that funds to repay the bank for any advances so made by it, in placing such bills to their account as aforesaid, should be provided by the said D. and J. Sutherland with allowing them to overdraw their ac

specially laid, the Commercial Bank, as responsible for the act of its agent, is specially laid, the Commercial Bank, as responsible for the act of its agent, is liable to refund the amounts so received from the holders of the bills for the benefit of the estate, or rather of the party guarantee for part of the composition effected, who claims to have made larger advances than the sum agreed upon for the liquidation of the affairs of Mr. Sutherland The bank would, therefore, in such a case, be placed in the situation of creditor of the estate by such amount, to which it demurs and joins issue.

The particularity of the ease, of which the outline is thus given, so far as bearing upon the Scotch banking system, consists in the want of check which is apparent on the part of the bank in respect of its agents, and the looseness of accounts resulting from the absence, or perhaps impossibility, of any efficient plan of control. For in this instance, it is admitted by the bank that "no bills of Messrs. Sutherland are reported to be past due in the monthly returns for December, 1837, and January, 1838;" and that "none of these bills (the bills first placed to account and then noticed as dishonoured and recovered as stated) appear to have been overdue during these months, the following bills having been debited to their account when there were no founds in it, and consequently not appearing as dishonoured, though in reality not paid at their respective dates." So that, it appears, they really had been taken to account, and became the property and risk of the bank itself, as urged for the Sutherlands, although the amount was subsequently charged against other parties and recovered by the agent. Of such recovery and proceedings, it is seen that the bank confesses to have had no notice in the "monthly returns" of the agent at the time, although the omission was, doubtless, rectified afterwards. But wherein consists the merit of a system in which agency accounts can be left so completely without check as in this instance? Wh Scotch system. It will be remembered that the Northern and Central and other English joint-stock banks were avowedly founded on the Scotch system, with inspectors besides duly authorized and deputed at stated periods, or at any time, to examine into the accounts and business of the branch agencies on the spot, and report the same to the directors at their regular sittings. Everything went on swimmingly, it is known, until the occurrence of a hitch in the money-market; the accounts appeared to be in order, and the discounts of the branches were on the most extensive scale, and therefore in the most prosperous state. The agents had every inducement to extend business to the utmost, because liberal commissions were in proportion, and the prodigality of bank paper issues was commensurate with the case with which that spurious imitation of money could be coined.

The final wind-up will not soon be forgotten. Unsound as was the system at the head offices, it was found absolutely rotten and corrupt at the branches, and with immense funds figuring on the books and in the "monthly returns" banks were discovered to be insolvent or forced to a liquidation. So much for the Scotch system, so culogized here and by "Professor Dew" in the United States, which has stood its ground so far in Scotiand better than elsewhere, not by its intrinsic excellence or superior practice perhaps there.

elsewhere, not by its intrinsic excellence or superior practice perhaps there, but because, as it is of more ancient date and habituated to paper-money out because, as it is of more ancient date and habituated to paper-money only, it has very rarely been tested by popular distrust, whilst it is guarded against the dangers of a sudden run for specie by the inconvertible character of the paper-currency issued. The system, such as it is, has not however been without its failure there at a period not very for beet.

NEW LOCOMOTIVE ENGINE.—A carriage, on a new principle, with linders instead of wheels, was tried a few days since at Brussels. After cylinders instead of wheels, was tried a few days since at Brussels. After leaving the Rue du Nord, it proceeded down the Boulevards de l'Obser-vatoire, Regent and Waterloo. When it arrived at the Porte de Hal, the two horses which had brought it there were unharnessed; and six men, with ease, dragged it back again up the steep ascent of the Boulevard Waterloo. A second experiment was made the same afternoon; the carriage was laden with 30,000 kilogrammes, and required only two horses set it in motion .- Inventors' Advocate.

NUMBER OF STEAM-BOATS, LOCOMOTIVES, AND OTHER STEAM-ENGINES, IN THE UNITED STATES .- The whole number of steam gines of every kind in the United States, recknning one to each boat, is ascertained and estimated to be 3010. Of these, 2653 have been ascertained, and 357 are estimated, in places from which the returns are either defective, or not received at all. Of this whole number, about 800 are supposed to be employed in steam-boats; of which 700 are ascertained, and 100 estimated. About 350 are employed in locomotives on railroads; of these 337 are ascertained, and 13 estimated. The residue, being 1860, are used in manufactories of various kinds; of these 1616 are ascertained and 244 estimated.

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The art of manufacturing copper appears to have been known from the most remote antiquity: indeed, judging from the purity of the coins and warlike instruments which have descended to us, we might at first suppose that this, like some other of the arts formerly in use, had been partially lost, and that the ancients were better acquainted with the mode of making pure copper than we are at the present day. The great purity of their capreous alloys is, however, much better accounted for, by attributing it to the richness of the ores then in use: for, in all probability, they were unable to extract copper from such poor pyritic ore as is now employed for that purpose, and from which English commercial copper is obtained, in a state of sufficient purity for the ordinary purposes to which copper is applied. It is always, however, contaminated with the foreign matters existing in the ore; these are chiefly from, lead, arsenic, sulphur, and antimony—carbon, too, is occasionally imparted during the process of reduction. These impurities vary from 2 to 7 per cent., and greatly impair the dustility and malleability of the metal. With one-half per cent. of arsenic, sulphur, or antimony, copper is decidedly brittle under the hammer, and with 1 per cent. this effect becomes very obvious. Lead and iron have a less injurious effect; but in the proportion of 2 per cent. they materially affect the colour and texture, and the alloy has a harsh, dull, and mottled appearance when polished. With a very small quantity of carbon copper is brittle, and has a grey, uneven fracture.

The Swedish copper being almost free from these impurities, has long been held in high estimation, not only in this country, but also on the continent, where the finer kinds of brass are made almost solely with it, to the exclusion of the English copper; a cheap and effectual mode of removing the impurities from which has long been a desideratum. The following method will be found to answer that purpose, and its simplicity is such a

#### ON A NEW CALORIMETER,

By which the Heat disengaged in Combustion may be exactly measured,

BY ANDREW URE, M.D.+

In these researches, which are still in progress, the first point which I seek to ascertain is the proportion of volatile and fixed matter afforded by any kind of fuel—as, for example, pit-coal—when a given weight of it is subjected, in a retort or covered crucible, to a bright red heat. The result of this experiment shows how far the coal is a flawing or gas coal, and what quantity of coke it can produce. The second preliminary point of importance which I determine with regard to coals, is the amount of subplur they may contain: a circumstance which has not hitherto bear 

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Coals for puddling cast-iron to be converted into steel :-

by another furnace, which case serves to prevent the dissipation of heat by another tunnace, which has been a pair of double-cylinder bellows, enters the ash-pit of the furnace at one side, and supplies a steady current of air to keep up the combustion, kindled at first by half an ounce of red-hot charcoal. So completely is the heat which is disengaged by the completely is the heat which is disengaged by the red-hot charcoal. burning fuel absorbed by the water in the bath, that the air discharged at the top orifice has usually the same temperature as the atmosphere the experiments made with former water calorimeters, the combi aintained by the current of a chimney, open at bottom, which car ried off at top a quantity of heat very difficult to estimate. My coments have been directed hitherto chiefly to a comparison of the h powers of Welsh anthracite, Llangennech, and a few other coals. I have found that the anthracite, when burned in a peculiar way, with a certain small admixture of other coals, evolves a quantity of heat at least 35 per cent, greater than the Llangennech does, which latter is reckoned by many

of anthracite, burned with my apparatus, heats 600 pounds of water 10 deg. Fabr., viz., from 62 to 72 deg., the temperature of the atmosphere being 66 deg.; so that there is no fallacy occasioned either by the conducting powers of the surrounding medium, or by a chimney current. We thus see that one pound of anthracite will communicate to at least 12,000 times its weight of water, an elevation of temperature of one degree, by Fahrenheit's scale. For the sake of brevity, we may call this quantity, or energy, 12,000 unities of heat. One pound of Liangennech, in the same circumstances, will afford 9000 unities; one pound of good charcoal, after ordinary exposure to the air, affords 10,500; perfectly anhydrous charcoal would yield much more: one pound of Lambton's Wall's End coals affords 7500 unities. It deserves to be remarked, that a coal, which produces in its ignition much carburetted hydrogen and water, does not afford so much heat as a coal equally rich in carbon, but of a less hydrogenated nature, because, towards the production of the carburetted hydrogen and water a great deal of latent or specific heat is required: indeed, the evaporation of unburnt volatile matter from ordinary flaming coals abstracts unprofitably a very large portion of their heat, which they would otherwise afford. Hence, those chemists who, with M. Berthier and Mr. Richardson, estimate the calorific powers of coals by the quantity of carbon which they contain, or the quantity of oxygen which they consume, have arrived at very erroneous conclusions. The amount of error may be detected by experiments on the cokes of flaming coals. M. Berthier examines coals for their proportion of carbon, by igniting a mixture of each, finely pulverised, with litharge, in a crucible, and estimates one part of carbon for every thirty-four parts of lead which is reduced. I have made many researches in this way with both charcoal and anthracite, and have obtained very discordant results. In one experiment ten grains of pure litharge, afforded 380 grains o

#### GEOLOGY.

We copy the following interesting letter from the columns of the Morning Ad-

[We copy the following interesting letter from the columns of the Morning Advertiser.]

Sia,—In a former communication, I spoke of the iron and porphyry mountains, and of the beautiful varigated marbles inclined upon their escarpments. I am still here investigating this region of geological wonders. Apparently the same strata of old, not red, but white saccharine sandstone, on which I now stand, appears twelve hundred miles eastwari on the declivities of the Alleghany Mountains, and, as here, horisontally overlying the magnesian limestone. The same may be seen at different elevations and depressions occasionally in the intermediate space. Wherever this sandstone is found depressed, so as to form a basin, upon and within it repose the carboniferous limestone and coal measures, while, in either or both, the sandstone and carboniferous limestone, sail water will be found. Some of the natural brine springs require three hundred gallons of water to make one bushel of sail. In the immediate vicinity of these springs or licks may frequently be found the gigantic bones of the mastodon. Beneath the white sandstone, as I observed, lies the magnesian limestone in a horizontal position. Imagine to yourself hundreds and hundreds of conical mountains, together with dykes and ridges of various elevations up to the height of seven or eight hundred feet, all rising up through the horizontal strata of sandstone and limestone. Such is the picture before me. You travel six or eight miles, and you come to a mountain of sienite entirely, and near its base, or not far distant, you will find veins of sulphuret of lead, and sometimes sulphuret of copper with cobalt. Not unfrequently the limestone is rent asunder, and the intermediate space is filled with sulphate of barytes, beautifully crystallised tools. Not unfrequently the limestone is rent asunder, and the intermediate space is filled with sulphate of barytes, beautifully crystallised to dimpart the property of the traped of the sulphate of barytes, ball-tiff. Again, you travel on

## CONNEXION OF GEOLOGY WITH THE ARTS.

We extract the following passages from the "Report of the Council of the Royal Institution of South Wales," recently published, and obligingly

We extract the following passages from the "Report of the Council of the Royal Institution of South Wales," recently published, and obligingly forwarded to us:—

"In reviewing the transactions of the year which has just expired, there is a subject, which it gives the council much pleasure to place before the meeting, namely, the recent establishment of a scientific intercourse with an institution of a very important description, powerfully promoted by the government of the country, which has sprung into existence in the metropolis, under the title of 'The Museum of Economic Geology.' The immediate aim of this establishment is to make the researches of philosophy available to the pursuit of the useful arts. The foundation of it is well worthy the support of an enlightened nation, and, under proper management, it cannot fail to become the source of valuable information to commercial enterprise, and a school of instruction is all those branches of industry, on the beathful growth of which the happiness and proaperity of this great kingdom mainly depend. To the inhabitants of a mining and manufacturing district its importance readily suggests itself, and they naturally become anxious to participate, with as little delay as possible, in the benefits it will yield. Influenced by a desire to make these available to their own institution, the council addressed to make these available to their own institution, the council addressed to make three available to their own institution, the council addressed to an expression of their sentiments on the subject, and they are happy to find that, from the intercourse proposed, advantages are likely to flow that will prove mutually beneficial. It naturally must happen that the opportunities of a well-regulated provincial institution will be ample in its own immediate neighbourhood, and in a district such as the southern part of Wales, which, for mineral wealth and sinnufacturing industry, yields to none, the facts that come before it, whether illustrative of the materials its mine

BURNING MINE .- One of the coal mines near Pottsville, in America, accidentally caught fire last winter, and in spite of all efforts to extinguish it, it still burns as fiercely as ever.

#### PROCEEDINGS OF PUBLIC COMPANIES.

ST. HILARY MINING COMPANY.

A special general meeting of the shareholders in the above company was held at the offices in Great St. Helen's, on Tuesday, 22d inst.

J. C. BLANCKENHAGEN, Esq., in the chair.

J. C. BLANCKENHAGEN, Esq., in the chair.

The SECRETARY read the advertisement convening the meeting.—A report from Captain John Sempson, and also one from the agent at the mice (Capt. Charles H. Richards) was read—for which see our "Mining Reports."

Upon the recommendation in Captain Richards's report, that it would be advisable to erect a new sixty-inch cylinder engine in room of the one now in use, which was too small to enable them to sink below the present bottoms, considerable discussion ensued; one or two proprietors considered it objectionable that a larger engine had not been erected at first, and thus have saved expense, but Captain Richards, sen., who was present, satisfactorily explained that the present ongine was considered quite large enough at the time of its erection, and before they could know anything of the prospects of the mine at its present depth; now, however, when the prospects at the eighty fathom level were of so chaering a nature, it was advisable—immediately necessary—to have a larger engine, to enable them to work the mine to any depth which might be required. It was then moved by Mr. Dax, seconded by Mr. Farancaw, and carried unanimously—"That a call of 5s. per share be now made."

It was moved by Mr. Carriove, seconded by Mr. Have, and carried unanimously—"That the chanks of the meeting are due, and are hereby given, to the chairman and directors, for their uniform and general attention to the interests of the company."

The Chairman returned thanks, and congratulated the proprietors on the present favourable prospects, and the meeting separated.

NORTHAMPTONSHIRE BANKING COMPANY.

#### NORTHAMPTONSHIRE BANKING COMPANY.

NORTHAMPTONSHIRE BANKING COMPANY.

The third annual meeting was held on Thursday exek, at the Angel Hotel, Northampton. The report of the directors declared a dividend of 61, per cent. for the year ending the 30th September, being an increase of 2 per cent. upon the dividend of the preceding year, and also stated that, after providing for all bad and doubtful debts, a sum of 10.341. 16s. 7d. had been added to the surplus fund. The report and statement of liabilities and assets appeared to give great satisfaction to the proprietors present, and a series of appropriate resolutions having been unanimously adopted, the meeting separated.

#### AGRICULTURAL AND COMMERCIAL BANK OF IRELAND.

The annual meeting of the Agricultural and Commercial Bank of Ireland took place on Monday, the 21st inst., at the bank-house, 63, Fleet-street, Dublin. Adderman Warson in the chair.

The report and accounts exhibited assets over the liabilities amounting to upwards of 200,000L, and the system of management for the last year met the unanimous approval of the whole meeting. Hugh Magill and John Bates, Esquires, attended as a deputation from Belfast and the northern shareholders generally.

# REMOVAL OF THE WRECK OF THE "ROYAL GEORGE" BY SUBMARINE EXPLOSION.

REMOVAL OF THE WRECK OF THE "ROYAL GEORGE"
BY SUBMARINE EXPLOSION.

Those officers and gentlesses who have paid frequent visits to Spithead to see the operations, and who have examined the state of the fregments brought up, are now unanimously of opinion that it would have been perfectly chimerical to attempt the removal of the wreck of the Royal George, in its present state, by any mechanical means, however powerful, without the aid of gampowder in large masses. The charge fired on Tuesday was about 2400lb. The cause of it not exploiding on Saturday last was ascertained in the most satisfactory manner. Both the large charge of gunpowder and the small priming charge of about three pounds were found to be perfectly dry; but the two conducting copper wires which were attached to a rope had rubbed hard against the wreck on lowering the criticaler down, and thereby they find been deranged and brought in contact with each other, and thus the voltale circuit was completed, and the spark came back without reaching the powder. The wres thus acted upon were prepared about a year ago at Chatham, and not in so perfect a manner as another set fitted up lately on board the Success hulk, to which that accident would not probably have happened, and which will be used exclusively in future. Colonel Pasi caused their insufficiency to have been a mistake on the part of the ingenious and skilful mechanic who superintended the making of them. The Colonel had caused each cylinder to be composed of a wonden busy inside, to be made and finished exactly like the mooring huny, for shipping, by cauking and paying it over with pitch and tar, which was then to be enclosed in a leader cylinder, perfectly water tight, secured by pieces of clan as well as by matting and by a rope moubling against the injuries to which that soft metal would otherwise have been liable. Nothing could possibly have been better than the workmanship both of the leaden and wooden cylinders; that uniformately the cauking and paying over or the latter had been omitte

WATER-POWER.—We had recently an opportunity of witnessing what we have no doubt will prove a valuable invention in the application of water-power. Some of our readers, no doubt, are acquainted with the machine called Dr. Barker's mill. To such of them as are not, it may be sufficient, perhaps, to explain that it operates by the reaction of the water, and is of nearly the same construction as the rotatory steam-engine, of which so much has been said lately. The common water-wheel is actual on either simply by the gravity or by the inapulse of the stream—the weight of the water falling on float boards, or its force rashing against them. Barker's mill is moved by the reaction of the impulse which the water has acquired at the bottom of a fall. It is exceedingly simple in its structure. The water is conveyed in a pipe from the highest elevation at which it can conveniently be collected to a horizontal pipe of the proper length, made to move round a shaft. The horizontal pipe is perforated at the two ends, on opposite sides, and the reaction of the water rushing out drives these areas rapidly round in a retrograde direction. WATER-Power.-We had recently an opportunity of witnessing what rushing out drives these arms rapidly round in a retrograde direction.

The improvement on Barker's mill, which we have seen lately, and for which a patent has been taken out by Mr. Stirrat, of Nethercraig, near Paisley, consists (besides an ingenious water-joint and the applica-tion of something like the steam-engine governor) in a beautiful contri-vance for preventing the friction which arose from the centrifugal action of the water on the revolving arms of the machine. To remedy this, the patentee has had the arms of his machine made with an eccentric curve, calculated according to the height of the fail, so that, when the machine is in operation, the water rushes out, at its full speed, in a straight line from the centre, to the extremity of the arm, where its power is wholly exhausted by action on the sides opposite the orifices by which it runs off. The advantages of this machine are said to be very great. In the first place, while, by the common water-wheel, in some circumstances, only a small portion of the water-power can be used, and under the most favourable circumstances not more than 65 per cent., it is calculated that by this new machine not less than 95 per cent. of the motive power of the water is rendered available. Secondly, the most triffing rivules, vided it have a good fall, can be taken advantage of by the new mach and, thirdly, the expense of the improved Barker mill is not more that one-fifth of the expense of a water-wheel, to work in the same stream Aberdeen Heraid.

to be the best fuel for the purposes of steam navigation. One half pound The gold medal of the Society of Arts was presented to Mr. Lewis Tho Barge House, Lambeth, for his method of purifying copper, from the sme of Transactions of which society, we have extracted the above.

This paper was read by Dr. Ure before the section of "Mechanical Science," be late secting of the British Association, at Birmingham.

BY HER MAJESTY'S BOYAL LETTERS PATENT.

BY HER MAJESTY'S ROYAL LETTERS PATENT.

In offering to the public the Patent Metallic Zinc Paint, the proprietors deem it ight to submit the following brief observations on the advantages attendant its rae, and the various portposes to which that strice may be applied.

The difficulty of obtaining a pure Metallic Paint, exce, t at a very high price, is a fact which will be generally admitted; and if, therefore, that a pure article of this maters can be rendered at a price not exceeding two thirds that now paid, while the quality is pure, and in every respect unexceptionable, it is to be pressumed that the quality is pure, and in every respect unexceptionable, it is to be pressumed that the quality is pure, and in every respect unexceptionable, it is to be pressumed that the quality is pure, and in every respect unexceptionable, it is to be pressumed that the quality is purposes to which other more contry Metallic Paints are now applied.

With the view of facilitating, as far as practicable, the introduction and use of the Metallic Zinc Paint, the Proprietors have entablished their works in a situation which at once commensed the home and foreign markets, with a due regard to economy in the transit of the article, the works being an situated as to afford equal advantages to the uncreasure or consmer, whatever (with few exceptions) may be the locality in which he is situated, while every opportunity is afforded of shipping the article to foreign parts, at a comparatively low charge.

It has long been considered a desideratum to obtain Zine in a state of division, as that it might be applied as a pigment, but up to the present time each has never home obtained in a perfect form, and in each cases only at a price, too costly to warrant its manufacture. This has been felt for some years, and various attempts have been made, more or less successfully, to manufacture a substance, or paint, capable of producing a galvanic action. The Proprietors of the Patent having fairly tested the Metallic Paint manufactured by them

having been submitted to sulphureous vapours without the slightest effect being observable.

The colour is that of a clear lead, or it may be had perfectly white, and thas in its adminture with other colours, or used ablue, from its reoderate price—being, as adminture with other colours, or used ablue, from its resoderate price—being, as already observed, one-third less than that paid at the present time—no question can arise but that its use must be very great, while the very circumstance of recan arise but that its use must be very great, while the very circumstance of readining its colour, and not being subjected to those changes which White Lead undergoes, renders it an article of infinitely greater value, from its resistance to the undergoes, renders it an article of infinitely greater value, from its resistance to the undergoes, renders it an article of infinitely greater value, from its resistance to the undergoes, renders it an article of infinitely greater value, from its resistance to the undergoes, renders it as adoption by Government, and several Public Bodies, while many of our first Chemists and Engineers are about surfounding it, with the view of giving it a fair trial, and reporting on its ments, it may be preaumed that it may be piaced before the public with perfect confidence and every prospect of its general adoption. The very considerable Reduction in its Cost, not to advert to the peculiar advantages, as a Metalite Paint, which it possesses, being a matter for the consideration of the Merchaut, the Engineer, the Duillider, and indeed the Public at large.

Wherever Galvanic Action is required, with the object of Protecting Iron, &c., from Corrosion or Oxidation, the Blue Zine Paint should be used. In all other cases, where it would supersede the use of White Lead, then the White Paint.

The Agents for the Sale of the Patent Metallic Zine Paint, in the several towns

cases, where it would superseed the use Alexandre Paint, in the several towns The Agents for the Sale of the Patent Metallic Zinc Paint, in the several towns throughout the United Kingdom, as also Abroad, will be announced as soon as the strangements are perfected; and, in the interin, all Communications are requested to be addressed to Mr. Hassay Essatism, No. 37, New Broad-street, London, who will furnish any other information that may be required: to Mr. E. Ductos, Clyne, wood Metallurgical Works, near Swance; or to Messrs. Rerves and Sons. the London Agents, No. 150, Cheapside, to whom all orders should be furnished for the annuly of the article.

# THE MINING JOURNAL, RAILWAY,

AND COMMERCIAL GAZETTE,

Forming a complete Record of the Proceedings of all Public Companies.

The MINING JOURNAL is the only Newspaper exclusively devoted to Geology,
Mineralogy, and Metaliurgy, combining therewith Reports of the Proceedings of all
Public Companies, Correspondence from the English and Foreign Mining Districts,
fields and Purchases of Orce, Prices of Metals and Materials, Prices of English and
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Farliamentary Isummary, London Gazette, and much original and interesting Scipartiamentary Isummary, London Gazette, and much original and interesting Sciutific Intelligence, &c.: forming an invaluable record of every occurrence relating to MINES, RAILWAYS, JOINT-STOCK BANKS, &c.

The Advertisements inserted are confined to properties of new companies.

The Advertisements inserted are confined to prospectuses of new companies actions of meetings, calis, and dividends, cales of mineral property, or other matters intimately connected with the interests of the capitalist, and the proprietor is ready story for property.

The MINING JOURNAL is published at Two o'clock every Saturday aftern at the office, 12, Gough square, Fleet-street, London, price Sixpence, and ma had of all booksellers and newsyenders in town and country.

To which is now added (gratis), on the last Saturday in the month, as a Supplement THE MINING REVIEW

A RECORD OF GEOLOGY, MINERALOGY, AND METALLURGY; Edited by Hanay English, F.G.S.

Containing, as heretofore, Original Papers, by eminent writers; Reviews of Scien-lific Works; Foreign Extracts; Proceedings of scientific Hodies; together with a variety of Miscellaneous Scientific Intelligence.

The MINING REVIEW is also published separately, in a wrapper, price Sixpence

## WEEKLY RAILWAY TRAFFIC RETURNS.

[Longth of Line, 112] miles.]		
The gress amount for conveyance of passengers, parcels, carriages, horses, and mails, for the week ending the 19th October	12 0	
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GREAT WESTERN RAILWAY.		

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#### PRICES OF MATERIALS IN CORNWALL SUPPLIED AT THE PRINCIPAL MINES IN THE FOLLOWING MONTHS

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#### PUBLIC COMPANIES.

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ł	Invested thank of Provinces York Birth, Manual and a con-	
1	Patent Scotch Asphalte London Tavers	29 3.
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Į	United General Gas Light Company 6, Austin-friars	29 1.
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ı	London Corn Exchange	31 1.
ı	Equitable Gas Light Company21, John-street, Adelphi	31 1.
ı	Preston and Wyre Hallway 11, King William street	4 19
ı	Grand Union Canal	4 11
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ı	Margate and London Steam-packet Co. Town-hall, Margate	4 2
ŀ	British Alkali Company Golden Cross, Bromsgrove	7 11
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	Imperial Brazisian Mining Association London Tavern	14 4.
	Imperial Continental Gus Association7, White Hart-ct., Lombard-st.	14 2.
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Hull and Selby Railway	51 Oct.	39 Glyn and Co., London.
Long Lake Lead Mine	Ins Nov.	I, Maschester and named pane.
South Australian Company	266	Z Lambrokes and Co.
Combmartin & N. Devon Mines	104	2 As furmer caus.
Bristol and Exeter Railway	10/	6 Glyn, Halliax, and Co.
London Cemetery Company	34	13 Wright and Co.
us John del itey Mining Company	108	21 Barciny, Bevan, and Co.
Berran Mining Company	50	22 Vere, hapte, and Co.
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Cambrian teen and Suction	247 Dec.	I London Jount-Block Bank.
thereber County Coal Company	234	28 WHERE'S : DEFENDED DISTRICT.
Fire Preventive Works.	16 Jan.	28 London Joint-Stock Bank.
Rhymney Iron Company	54 Feb.	137, Laurence Pountney-hill.

DIVID		
London Conveyance Company  Holmbush Mining Company  Commercial Bank of New Orleans  Durham County Coal Company	l per share.	Paddington Oct. 29. Office

#### NOTICES TO CORRESPONDENTS.

We have been favoured with a letter from Mr. M. A. Goldsmid, marked "private," and which precludes its insertion; but as touching on the letter of a correspondent, which appeared in our columns, we cannot, in justice to all parties, do otherwise than notice. We find that our suspicion of the attempt at hoax practised on us was well founded—no communication having been addressed to us by that gentleman. Mr. Goldsmid, in his letter (the genuine), affords us priente information which amounts to nothing, as he states, "on the totally irrelevant subject of the 'Basteone Company,' it would only be a waste of your time and mine to enter." If that Mr. Goldsmid is satisfied with his as a disclaimer, or that it will satisfy our correspondent, whose "anonymous trash" appeared in our "respectable Journal," we shall not complain—but we doubt this, while we beg to inform our correspondent that, although letters may appear in our columns as "anonymous," the writers are in all cases known to us.

as "anonymous," the writers are in all cases known to us.

REFORTS OF MINES.—We have been given to understand by Mr. Stainsby, the manager or secretary of the Tincroft and other mines, that the reports inserted in our last week's Journal, of the "Queen's Mining Company" and "The lose down Mining Company," were those of mines in which parties connected with other un-tertakings were embarked. This is no reason, however, why we should insert notices of the kind, and we must decline leading our columns to giving publicity to private advectures. We are at all times willing to insert matter of general interest, or that which may affect any portion of the mining community, but, as in the case of the "Muniter Union Mining Company," we consider that they have no claim on us; while, by the insertion of the reports, we have less claim on our mining readers, who are too frequently dosed with reports, and of which, judging of the quality, in many instances, we should suppose they have quantum and. We believe the MINING JOURNAL supports many undertakings—it is a pity that there is not a reciprocity of feeling.

BLARSELEY F. WHIRLDON.—We are requested to state that this important trial, so

LARKSLEY E. WHILLDON.—We are requested to state that this important trial, so long looked for by all persons connected with mining property, is sure to come before the Lord Chancellor early in November term—when all the particulars will duly appear in the MINING JOBANAL.

#### THE "MINING REVIEW."

It having been determined to offer premiums for Original Papers on the several t having been according to year production, we subject a treated on in the Minimo Ravism, to appear in that publication, we have to amounce that a premium of The Guinnas will be presented to the author

ON IRON,

historically, chemically, and wetallurgically considered, as well as in the econo manipulation or smelling of the ores, and its general application, with the compara-live results arising from the processes observed in the various districts of England, colland, and Wales - stating the quantity and nature of materials used, the respec Souteman, and resemble of extraction, the various metallurgical treatments to which they are sub-free modes of extraction, the various metallurgical treatments to which they are sub-freeted, and the results attendant thereon. The several forms of furnace, application of hot or cold blast, quality and description of the cost, and nature of the ores, and the quantities used, being defined. To appear on the 1st January next. Those papers which are not approved will be returned to the respective authors; the propapers which are no appropriately performed by the proprietor of the Miniso perty of that obtaining the premium bring vested in the proprietor of the Miniso Journal. All papers should be furnished not later than the lst December nest. Such papers as may require illustrations must be accompanied by drawings.

remium of Five Guinnas will be presented for the most approved paper ON THE USE AND APPLICATION OF ANTHRACITE OR STONE COAL, giving the results of experiments made in this country and in the Unit

## THE MINING JOURNAL, Bailway and Commercial Gasette.

LONDON, OCTOBER 26, 1839.

It will be observed, by a brief notice in our columns, that at a late meeting of the promoters of the College for Civil Engineers, the President, the Duke of BUCCLEUCH, with a spirit which ennobles him, in our estimation, far beyond his title, presented the munificent donation of 1000l. We have already had occasion to notice the objects of the institution, and should be well pleased to record its progressive advance towards practical results, while it must be highly gratifying to the lovers of science to find a nobleman thus lending his aid in the promotion of institutions so well calculated to advance the interests of the community at large, as well as to maintain the high character which this country enjoys.

We are not prepared to give our full assent to the plans and regulations laid down by the council, as we think them calculated, to a certain extent, to exclude parties who might be desirous of subscribing, the contributions being fixed at a minimum of 1001. which gives right of nomination of one pupil-some alteration will, Having doubtless, be found necessary in practice. prospectus of the institution, we shall take an early opportunity of expressing our opinious, while, in the interim, we most heartily recommend the "College for Civil Engineers" to the attention of our readers, trusting that the working members of the " Council of Administration" will carnestly apply themselves to the advancement of its object.

We must confess we should like to see that some of our eminent engineers were embarked, and gave their sanction to the proposed collegiate education. It might, we think, form a proper adjunct to the "Institute," but with " Mining and Engineering" classes, at the " Durham University," " King's College," and the " London University," and the jealousy which too oft pervades even minds well stored, we fear that this is not to be expected. The project is deserving of unqualified praise, and with the patronage bestowed on it, we will hope that it may be as successful as it is calculated to

WE have on several previous occasions referred to the great importance to the west of England of a line of railway passing through the county of Cornwall, and are pleased to find that energetic measures are now being taken with a view to promote this object-a county meeting being called at the Town Hall, Bodmin, on Tuesday, the 29th inst. Of the general interest which prevails on the subject, no more convincing proof can be given than by glancing over the long list of highly respectable names appended to the requisition, which will be found in our advertising columns, and which embraces a large portion of the wealth and respectability of the county. The influence of this meeting in directing public attention to the undertaking, in pointing out the advantages which would attend it, and in taking the necessary preliminary measures for its execution, will of course be great-we, therefore, hail it as the first commencement of an enterprise on which the continued prosperity of Cornwall must, in a great degree, depend.

A few weeks only have elapsed since we entered at length into the present subject-recommending energy and exertion on the part of the residents to promote the execution of the work, and to bring its advantages prominently before the public eye. We then remarked, that " a county or a district without a railway would, in a few years, be virtually separated from the rest of the countrythat the current of traffic and the intercourse of business would be gradually withdrawn to spots possessing greater facilities of communication-thus leaving such districts in a state of hopeless stagnation." It is evident that the most influential residents in the county are deeply impressed with this truth, and that it is now impelling them to action-a fact from which we would draw the most favourable conclusions.

The necessity of a railway being evident, so far as the interests. of Cornwall are concerned, the next point of inquiry (and a most important one it is) will be the prospects of remuneration which may reasonably be anticipated by the promoters of such an undertaking. On this point we can hardly do better than quote our former remarks-the result of a long and intimate acquaintance and connexion with the county. "The resources of Cornwall are great, she possesses mines, quarries, and fisheries, and in some parts also a far from unproductive soil, while the interest of her scenery, and the salubrity of her climate, would, with the advantage of railway communication, attract numerous visitors to her southern coast, and render it a new and pleasant resort to the tourist and invalid. With these sources of attraction fully laid open to the public by a main line of railway, extending to Falmouth at least, there is every reason to suppose that a considerable influx of visitors would be produced, while a vast increase of travelling would naturally take place among the resident population, when relieved from their present disadvantage of an almost insular situation." We further pointed out that Falmouth was the natural point of departure for Mexico, the West Indies, Brazil, and the vast continent of South America generally; we showed the advantages afforded by its fine and capacious harbour, and the increase of traffic which a line of railway, conjoined with the rapid extension of trans-Atlantic steam navigation, might in the course of a few years be made to afford. It is evident that sources like those we have pointed out would be productive of abundant traffic, and that a line of railway, if constructed upon a more economical scale than circumstances have generally allowed elsewhere, might be made to yield an ample return for the capital invested.

It must be well known, that many of those expenses which have swelled the cost of railway construction so enormously, are entirely extraneous, and unconnected with the actual expenditure upon the works. Of this class, are the heavy law and Parliamentary charges, which have, in some cases, amounted to such an enormous sum, as to bear no inconsiderable proportion to the whole expense of the works. Of this class, are the extortions (we can call them nothing else) too often practised by landowners, who have obliged railway companies to pay cent. per cent. above the fair value of the land they purchased. Of this class, too, is the heavy expenditure incurred in purchasing valuable property, for the purpose of advancing railway termini into the centres of large and populous towns. If, then, we strip the expenditure of forming railways of these and other extraneous charges, and of those heavy expenses which are occasionally required by peculiar local difficulties, the real cost of their construction will be found moderate, in comparison with the vast benefits they confer. We know that in America the average cost of railways does not exceed about 4 or 5000l. per mile; we have seen one of the most useful, and not the least difficult, works of the kind, in this country-the " Newcastle and Carlisle Railway"-completed for 10,000/. per mile, and we know that the elaborate estimate of the Irish Railway Commissioners, for the lines they proposed to execute in Ireland, did not exceed 12,000l. per mile. It follows, from all this, that a vast expenditure, although a usual, is not, by any means, an inseparable concomitant of railways-a fact to which we are anxious to direct the attention of our Cornish friends, in the great effort they are about to make to promote the welfare and prosperity of their countyan effort in which they have our hearty wishes of success.

If a line of railway be carried through the county at a moderate expense, we have little doubt that it would be, from the first, a remunerating one-in time, perhaps, extremely profitable. To curtail all unnecessary and extraneous expenses is, therefore, an important object; if all frivolous opposition be withdrawn, and with the present feeling of the county, we may safely predict that this will be the case-law and Parliamentary expenditure may be reduced to a trifle. If also, as we feel confident they will do, the landowners unite in meeting the undertaking on fair and liberal terms, giving up the necessary land at a low rate of purchase, and trusting to the ultimate improvement in its value for their chief remuneration, a vast expense may be avoided in this manner. These, then, would be substantial inducements to capitalists to come forward in support of the undertaking, while it may be further remarked, that its economy would be naturally promoted by the abundance of excellent waterial which the county affords, for all the requisite constructions, and the able and intelligent class of

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The populous towns of the north of England, and the constant traffic of passengers and goods between them, have naturally attracted the early attention of the railway shareholder, and drawn to them at once the large capital necessary to effect railway communication between them. With Cornwall, the case is different; although possessing, as we have shown, numerous inducements for the construction of a railway, they are of a less obvious and striking character, and require to be developed by a closer examination into facts. These advantages, it will be the business of the meeting to place in a prominent point of view, and to make known to the whole county, while it must also give assurance to the capitalist, that every facility will be given to the economical execution of so beneficial an undertaking.

The recent proceedings of the Bank of England, in refusing to discount all bills either drawn by or bearing the endorsement of banks issuing their own notes, has naturally produced a very considerable sensation throughout the country, and is, we fear, the commencement of a struggle in which the best interests of the nation are likely to be sacrificed to the private benefit and caprice of the great Corporation of Threadneedle-street. It was at first naturally supposed that a measure fraught with such injurious consequences to the country, and threatening indeed the welfare and security of every individual engaged in commercial transactions throughout this great mercantile community, could hardly be persevered in when the evils resulting from it were pointed out, and when it was known to the Bank directors that a powerful body of bankers in the north were not disposed to submit quietly to such an unprecedented departure from the established modes of business. Little doubt now remains, however, that this hope has been disappointed-completely and entirely disappointed-and that the Bank of England is determined to persevere in its plans, at whatever cost to the commercial interests, or, perhaps, in the end, real injury to its own prosperity.

Numerous as are the instances in which the Bank has thrown our commerce into confusion by its ill-judged or self-interested acts, the present proceeding stands prominent, from the mischief and confusion it is likely to create, and that too at a period when the commercial world ought to look up to this great national establishment for assistance and support. One thing is, however, certain, a strong feeling is already abroad on the subject, and will go on increasing in intensity as the evils of the measure gradually develope themselves. From this a reaction must follow, and the Bank will find that it has not a feeble or a passive body to deal with, when it thus wantonly attacks the great body of the banking and commercial interests of the country. Of the feeling which prevails on the subject, and the determination to resist, and, if possible, counteract this arbitrary proceeding, we cannot have a better specimen than that afforded at the last meeting of the Bank of Manchester, and reported in a late Number of our Journal. After remarking in their report that the decision on the part of the Bank of England must create great dissatisfaction in a powerful and influential body throughout the kingdom, and that it will require much circumspection on the part of those whose interests are at stake in the adoption of measures necessary to counteract its effects, the directors proceed to observe that " they are not prepared or disposed to compromise or surrender any of those great and independent principles upon which the Bank of Manchester has been conducted for so many years, and the proprietors may confide in their employing whatever experience and judgment they possess, to prevent the measures of the Bank of England from operating injuriously to their institution." When we look at the numerous public and private banks of issue, against whom the measure in question is obviously directed, and whose interests will be seriously affected by it, there can be no doubt that the sentiments expressed in the above report are not confined to the directors of the Bank of Manchester, but that they will widely and generally prevail, and will, of course, be as generally acted upon.

The Joint-Stock Banks alone will form a powerful and united body, and as it is against them that the refusal is chiefly directed, it is incumbent upon them to act with spirit and unanimity. These institutions have already had to encounter many serious difficulties, and they have gained at least the advantage of learning to act in concert, and dismissing minor differences in endeavouring to effect a common good. Around this powerful nucleus we shall doubtless see a numerous assemblage of the commercial interest, of which any portion can scarcely be said to be exempt from the effects of the late resolution of the Bank. The power thus concentrated for mutual protection, against a measure, unprecedented, we believe, in itself, and most inimical to the commercial interests of the whole community, will be one well capable of acting in its own defence, and proving that no corporation, however powerful or wealthy, and although strengthened by the privileges of monopoly, can venture with impunity on any act productive of such extensive mischief and confusion to the whole commercial

The issue of the contest we can hardly doubt, nor can we fear that it will be otherwise than successful; the bank will probably, in the end, feel itself compelled by circumstances either to rescind or greatly to modify its late resolution, and will hereafter be more careful in assuming an attitude of hostility towards other banking institutions, and more especially the joint-stock banks. If the banking and commercial interest is true to itself in the contest, the result can hardly be otherwise than what we have anticipated.

It is certainly, however, a remarkable circumstance, and one on which we cannot forbear commenting, that at a period of commercial embarrassment like the present, so far from the great national bank of the country assisting, or being able to assist, the commercial interest, it is, as it were, placing itself in a hostile attitude, and threatening to come into collision with other banking institutions. Surely the great powers and exclusive privileges of the Bank of precious metals from the port of London to foreign ports for the week England ought to be productive of greater benefits to the country han any which we have at present in vi W, and were conferred for | oz. ; diffe to New Orleans, 13,000 oz .- Siver bere to Calcutta, 7826 oz. | Edwardon.

very different purposes to those for which we see them applied. The charter of the Bank of England has existed for nearly a hundred and fifty years, and during that time the bank has been infinitely the wealthiest and most powerful corporation which was ever known. If we inquire into the benefits which have resulted to the country from bestowing this vast power upon a small body of capitalists, we fear they will be found, to sav the least of it, very disproportionate. When we look to those terrible periods of commercial depression, which are, unhappily, almost of periodical recurrence in this country, and when a national bank, invested with exclusive privileges and extraordinary powers, might be expected to lend effectual aid, how often shall we find the case exactly the reverse, and see that the Bank of England is intent alone upon its own interests, and totally inadequate to render that support to commerce which might naturally be expected from it.

The evils resulting from this state of things need hardly be pointed out-many of them, it is true, are traceable to causes over which the bank can have no control; and there is at present little hope or prospect of these ulterior evils being removed-deeply interwoven as they are with the whole monetary and commercial system of the country. It is, however, reasonable to suppose, that some better system might be devised-that some controlling power might be brought into action which would afford the required relief in times of depression, or which might even go further than this, and check their, unfortunately, too frequent, recurrence. The difficulty of such a plan is apparent enough, but it would be premature to pronounce it impossible. The present is, beyond all others, an age of improvement, and things which we now daily witness would, a few years since, have been deemed impossibilities, while, therefore, every thing else advances, there can be no absolute necessity that so important, so vital an object as the effectual regulation of our monetary system should alone stand still.

It affords us much satisfaction to see that our efforts for the benefit of the miner (now suffering under a factitious depreciation of the value of his produce) has excited attention in the mining districts, as evidenced by the numerous letters we have received on the subject. A Correspondent in Cornwall, whose letter is inserted in our columns of to-day, calls upon us most earnestly to renew our exertions for the protection of the miner-and this we shall not fail to do. Press of other matter compels the subject to stand over in our present Number, but it still continues to receive our attention, and shall speedily be brought forward again. It is emphatically declared by our Correspondent, who is evidently deeply interested in copper mining, that " ruin must follow such a standard." That ruin we are anxious, most anxious to avert, and if the mining interest is true to itself we believe it may be done.

In our last Number, we remarked upon the peculiar position of the Chester and Crewe Railway, and expressed our opinion that the arrangement proposed by the directors of amalgamating the undertaking with the Grand Junction Railway, on the terms stated at the late meeting of the proprietors, was, under all circumstances, the best that could be adopted. It must be, indeed, a matter of regret, that the undertaking could not be carried out by its original projectors with due regard to local interests; but this not being the case, we believe the directors have faithfully discharged their duty to the company, though placed in a difficult and trying situation. We have elsewhere inserted the sensible remarks of the Chester Chronicle on the subject in question.

#### THE FUNDS CITY, FRIDAY EVENING.

Consols closed at 90\frac{1}{2} money, and 90\frac{1}{2} 91 time. The Three-and-a-Half per Cent. Reduced Annuities 97\frac{1}{2}\frac{1}{2}, and the New Three-and-a-Half per Cent. 98\frac{1}{2}\frac{1}{2}. Bank Stock 179\frac{1}{2} 180, and India 246\frac{1}{2} money. Exchequer Bills of the largest amount 3 1 dis.; the second class par 2 dis.; and the smallest 1 2 pm.

and the smallest 1 2 pm.

Portuguese New Five per Cents 36½ ½, and the Three per Cent. ditto
24½ ½. Spanish Bonds, with May Coupons, 29½ ½; Passive 7½ ½;
Deterred 13½ ½. Colombian Bonds 32½, and Mexican Six per Cent.
Bonds 32½. French Five per Cents 111f. 25c., with the Exchange at
25f. 40c. Dutch Two-and-a-Half per Cents 52½ ½; Old Fives 100½;
and the New Loan 96½ 97.

### LATEST INTELLIGENCE.

LATEST INTELLIGENCE.

City, Twelve o'Clock. — Consols, Money, 90\(\frac{1}{6}\)\(\frac{1}{6}\): Account, 91;

New 3\(\frac{1}{4}\) per Cents., 98\(\frac{1}{6}\)\(\frac{1}{6}\): Long Annuities, 13\(\frac{1}{6}\): Bank Stock, 178\(\frac{1}{9}\)\(\frac{1}{6}\): Long Annuities, 13\(\frac{1}{6}\): Bank Stock, 178\(\frac{1}{9}\)\(\frac{1}{6}\): East India Stock, 245 7; Exche oer Bills, 3 1 dis. — Railways: — Birmingham and Derby, 16 14 dis.; Blackwall, 2 1\(\frac{1}{6}\) dis.; Brighton, 12\(\frac{1}{4}\) dis.; Bristol and Exeter, 27 25 dis.; Eastern Counties, 10\(\frac{1}{6}\) 10 dis.; Greenwich, 13 14 per share; Great Western, 5 4 dis.; Gloucester and Birmingham, 27 25 dis.; London and Birmingham, 50 52 pm.; New, 16\(\frac{1}{4}\) 17\(\frac{1}{6}\) pm.; Manchester and Birmingham, 8 6 dis.; Manchester and Leeds, 6 8 pm.; North Midland, 4 3 dis.; South-Western, 39\(\frac{1}{4}\) 40\(\frac{1}{6}\) per share; York and North Midland, 6 8 pm.; Croydon, 9\(\frac{1}{2}\) per share; Scrip, \(\frac{1}{4}\) \(\frac{1}{2}\) pm.—London and Westminster Bank, 1\(\frac{1}{4}\) pm.; London Joint Stock Bank, 1\(\frac{1}{4}\) 2\(\frac{1}{4}\) pm.

Tauno, Oct. 24.—Average standard, 102\(\frac{1}{6}\). 7s. 0d.—Average pro-

Tauno, Oct. 24.—Average standard, 102!. 7s. 0d.—Average produce, 8.—Average price, 5l. 8s. 6d.—Quantity of ore, 3634.—Quantity of fine copper, 293 tons 12 cwt.—Amount of money, 20,068l. 19s. 6d.—Average standard of last sale, 101l. 7s.—Produce, 84.

PRICES OF SHARES IN BIRMINGHAM.—Stourbridge and Kiddermin-ster Bank. 191.—Manchester and Birmingham Railway, 191.; Birming-ham and Derby, 641.; Cheltenham and Great Western Union (371. 10s. paid), 301.—Old Birmingham Canal, 2181.; Worcester and Birmingham, 681.; Warwick and Birmingham, 2701.—Birmingham and Staffornshire Gas, 721.—General Steam Navigation, 241. 15s.—Midland Counties

PRICES OF SHARES AT LIVERPOOL .- Edinburgh and Glasgow Railway, 13t. 15s.; London and Birmingham, new shares, 31t. 5s.; Manchester and Birmingham Extension, 6t. 10s.; North Midland, 81t.— Gore's Licerpool Advertiser.

BANK OF ENGLAND .- QUARTERLY AVERAGE OF THE WEEKLY LIA-BILITIES AND ASSETS, FROM JULY 23 TO OCT, 15, INCLUSIVE :-

£24,939,000 £24,346,000 | waing street, October 18.

EXPORTATION OF THE PRECIOUS METALS .- The exportation of the ending the 17th inst., was as follows :-Gold bers to Hamburgh, 1172 oz. -Silver coin to Hamburgh, 240,429 oz. ; ditto to Rotterdam, 100,000

#### ORIGINAL CORRESPONDENCE

COPPER SMELTING-PROTECTION OF THE MINER.

COPPER SMELTING—PROTECTION OF THE MINER.

TO THE EDITOR OF THE MINING JOURNAL.

SIR,—I beseech you to continue to investigate the subject of the standard of copper ore and the price of copper, and to insert your opinions in your paper. I do not think there is any subject so important to the miner, and I, therefore, again say that I beseech you to investigate. I am more than thankful for what you have done, and I believe that every miner in the United Kingdom is equally thankful, and is equally anxious to see your next investigation. We all beg that you will endeavour to ascertain if there is any just cause for the present low standard with the present price of copper. We are altogether ignorant on the subject—hat we are not ignorant of the ruin which must follow such a standard. We, therefore, humbly call on you, and on the adventurers, and on coppersmiths, and on the public, collectively and individually, to come forward and see if something cannot be done for securing a fair price to the miner for his labour, and a satisfactory interest to the adventurer, and, at the same time, affording a liberal profit to the smelter. The miners, as a body, are anxiously waiting for your next labours in their behalf—among whom,

I am, Sir, your thankful servant,

Redruth, Oct. 20.

[Some remarks upon our correspondent's letter will be found in another

[Some remarks upon our correspondent's letter will be found in another ace. We have by no means lost sight of the subject.—ED. M. J.]

#### LONDON AND WESTMINSTER BANK.

Sin,—Although my communication does not pertain to mining matters, yet the interest you manifest on all occasions, not only with reference to joint-stock banks, but to the commercial interest generally, induces me to address you, regretting that on the present occasion it should be in terms of complaint of an establishment which has my best wishes for

It has too frequently occurred, not to become a matter of notoriety, that the office department of this establishment is anything but perfect. "Slow and sure" is a good maxim, and where sluggishness does not prevail, so as to interfere with business, more especially monetary operations, I am ever glad to see observed; but, Sir, as an instance of the slow operations of this establishment, I may state, that this day, in making a payment, by draft, I was detained upwards of a quarter of an hour, and on my expostulating on the want of attention, the observation was made by a gentleman present, that it frequently occurred a detention of twenty minutes to half an hour took place. There wants a system or method, for no such delays occur at banking-houses generally, while it detracts much from the value of the establishment, as time is money, and neither the one nor the other should be unnecessarily sacrificed.

Your obedient servant,

New Broad-street, Oct. 25.

New Broad-street, Oct. 25.

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#### MUNSTER UNION MINING COMPANY.

MUNSTER UNION MINING COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

Str.—Your Journal being conducted upon principles avowedly for the benefit of the mining interest, no person will take umbrage at what is not offensively intended. Two or three notes, appended to certain mine reports, in your last Number, call upon me, as a matter of duty, to reply on the behalf of one of them, viz., the "Munster Union Mining Company." This mine was opened two years ago, and, after having worked for some time, the proprietors requiring additional capital, the mine was divided into 800 shares, and the public were invited to take part in it. For this purpose, the prospectus was published in your Journal about six months ago, and upwards of 600 shares having been taken up, there are no shares at present offering to the public. The calls required have been advertised in your Journal from time to time, and paid up, and the prospects of the mine are quite satisfactory. The respectability and competence of the directors are too well known to the shareholders to need any voucher on my part, and the communications of their agents were sent to the Mining Journal only for the purpose of making their shareholders, in distant parts of the country, acquainted with the progress of the works. Some of your readers object to mine reports altogether, but they, I presume, are not interested in any of them, and as you continue to deem them useful, I am sure that no sort of favouritism is to be looked for on your part. That a mine adventure is respectable, fairly conducted, and belonging to a public body of shareholders, is all that I presume can be necessary, to satisfy you as to the propriety of inserting their reports. This being matter for yoff own decision, I beg to conclude, what I trust you will not deem an intrusion, you will not deem an intrusion,
And am, Sir, your obedient servant,

50, Threadneedle-street, Oct. 21. WM. TRENERY, Jun., Sec.

50, Threadneedle-street, Oct. 21. WM. TRENERY, Jun., Sec. [The remarks made in our last Number, were intended to apply generally to companies which are not known in "the market," or as public companies. Were we to insert all the reports forwarded to us, our columns would not afford space for other matter, more important, and of greater interest to our mining readers. We cannot permit the Mining Journal to be readered the medium of advertising, or bringing into notice, undertakings, reports of which, we must repeat, appear to us occasionally to be manufactured, with the object of exciting the attention of the public.—En. M. J.]

### COLLEGE FOR CIVIL ENGINEERS.

A general meeting of the promoters of this institution was held at their cooms, 58, Pall Mall, on Thursday, the 24th inst.

His Grace the DUKE of BUCCLEUCH (President) in the chair.

The CHAIRMAN stated to the meeting that steps were being taken for the immediate securing of eligible premises in which to open the Carlege, and that the services of men, eminent in various departments of sea ace, were secured for the several Professorships of Mechanics, Mathematics, Architecture, &c.

Various measures for promoting the opening of the College with as little delay as possible were discussed and agreed upon, and the announcement made (among others) of the munificent dons ion by His Grace, the President, of the sum of 1000/. to the funds of the institution, after which the meeting adjourned.

PRODUCE OF MINES IN RUSSIA .- An official account of the produce of the mines of gold, silver, and platins in Russia, has been published at St. Petersburg; it embraces a period of sixteen years, from 1823 to 1838 inclusive, and shows the following result:—

Value in aterling about 12,000,000*l*, and 5,000,000*l*. During the same period the value of money coined at the Imperial Mint in St. Petersburg, from Russia and foreign bullion, was about 14,000,000*l*. in gold, 8,000,000t. in silver, and 100,000t. in platina.

PROJECTED RAILWAY .- We understand that a company is about being PROJECTED RAILWAY.—We understand that a company is about being formed for efinatructing a line of railway from London to Ramsgate, wid Woodwich, Chatham, &c., with which Mr. G. Walter, formerly the managing director of the London and Greenwich Railway, is connected. We have seen a draft prospectus, and think the plan a feasible one, but we must enter our seto against interest being paid on the capital, otherwise than out of profits. The system is mischievous, and we are sorry to find it raining ground. it gaining ground.

### METEOROLOGICAL JOURNAL, 1829.

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Winds, N.E. and N.W. Except the 19th and 20th, generally cloudy; rain fed on the 18th, 22d, and fol-

Bain fallen ,15 of an inch. CHARLES HENRY ABAMS.

# MINIMA CORRESPONDENCA.

#### ENGLISH MINES.

HOLMBURH MINING COMPANY.

Stoke Climsland, Oct. 21.—Hitchens' shaft is sunk to a depth of 19 fms 3ft., and ground as usual—the water still increasing. In the 100 fathon level, weat of the engine-shaft, the lode is about nice inches wide, and it character as last reported. In the eighty fathom level, west of the engine character as last reported. In the eighty fathom level, west of the engine-shaft, the lode appears more encouraging than for some time past, one foot wide, and worth about 8d, per fathom. In driving at this level, cast of Snell's winze, the lode is still a good course of ore, two feet wide, and worth from 40d, to 45d, per fathom. In driving the seventy fathom level, west of the engine-shaft, the lode is still favourable, about twenty inches wide, and worth from four to five toos per fathom. In the winze sinking below this level the lode has greatly improved, is at present fifteen inches wide, and worth from three to four tons per fathom. The lode in the stopes, in the back of this level, is about eighteen wide, and worth from three to four tons of good ore per fathom. In the sixty-two fathom level west, during the past week, we have met with another part of the cross-course, about six inches wide—in consequence of which we have not as yet discovered the lode. In driving cast of the engine-shaft, at this level, the lode is about two and a half feet wide, composed of mundic, spar, and copper ore, with a kindly apwide—in consequence of the regime-shaft, at this level, the lode is about two and a half feet wide, composed of mundic, spar, and copper ore, with a kindly appearance. The lode in the stopes, at the back of the sixty-two fathom level, still continues an excellent course of ore, from two and a half to three feet wide, and worth about nine tons of good ore per fathom. The tribute pitches continue well. The sampling will commence to-morrow morning (22d inst.), as stated in my last, of about 170 tons, of superior quality ore to the last particular states of the continue well. F. Phillips. BT. HILARY MINING COMPANY.

as stated in my last, of about 170 tons, of superior quality ore to the last parcel.

F. Phillips.

Bt. Hilary mining company.

Get. 19.—The eighty fathom level weat is extended twenty fathoms through over yround; the lode in the present end is ten inches wide, and worth from si. to 9t. per fathom; the ground we are driving for 3t. per fathom has risen in the back of this level four fathoms; the lode has been productive and very regular, and is now worth about 6t. per fathom—the ground can be expended at 3t. per fathom; this I hope will be communicated to the winze in the bottom of the seventy fathom level on Thursday next: the ground will set on tribute at 5s. in 20s. The eighty fathom level cast is extended nine-teen fathoms through a very kindly lode; the lode in the end is eighteen inches wide, composed of ore and spor—the greater part of the ore in the bottom part of the end; the lode is much improved during the week. In the seventy fathom level west the level has been driven through a good lode for thirty-seven fathoms; the ground in the back of this level has set at about 7s. 6d. in 20s. The lode at present is in two branches in the back of the level, but appears to be coming together in the bottom of the end; the branches are each about four inches wide, composed of spar and rich yellow ore. The ground at this level is hard, or we could have set the back of the level at a much lower tribute. We have sunk a winze two fathoms in the bottom of this level. In the twenty fathom level, west of engine-shaft, the lode is about ten inches wide, good yellow ore, worth about 9t. per fathom, and can be sunk at 3i. per fathom; this winze we should have sunk, but were prevented by the water until yesterday; they cut a hollow lode in the riac, which droined the winze quite dry, and nearly all this level. The seventy fathom level east is extended thirty-seven fathoms. We have had a good orey lode the last seven and a half fathoms we have driven; the lode was taken down yesterday—it is eighteen inches wide; it appears r seventy, and rose four fathoms in the back of the eighty fathom level, leaving but three fathoms to communicate—the lode continues its size; the ore is of equal, if not of better, quality, and we can at present drive or stope the ground for half the price we could in the levels above. We ought at this time to be sinking the engine-shaft, but it is impossible with the present cagine. The ground is the shaft is not hard, provided we have an engine of sufficient power. Captain Sampson was underground with me yesterday; he could not have come in better time—the water was out. He could see for himself, and not be guided by reports. I sincerely hope his report will induce the shareholders to creet a new engine.

C. H. RICHARDS.

### CORNUBIAN MINE.

Cornusian Mink.

Chiverton, Oct. 22.—Our sumpmen have commenced driving north and south to cut the lodes at the firty fathom level. Our forty fathom level west is poor at present. The thirty-two fathom level, on south lode, is greatly improved since last report; we have a good lode in this level. The thirty-two fathom level west is driving north to get under the western shaft. We have holed the rise at the forty fathom level to the thirty-two fathom level; and we set last Friday four pitches in the back of the forty fathom level, and three in the back of the thirty-two fathom level—one at 36s., one at 40s., one at 40s., one at 40s., one at 40s., one at 60s., one at 10s., and broken underground four tons.

J. BORLASE.

### TRELEIGH CONSOLS MINING COMPANY.

We have driven the fifty fathom level west on Christoe lode Oct. 19.—We have driven the fifty fathom level west on Christoe lode abut two fathoms, where it has a good appearance, and is worth for copper about 6i. per fathom, and likely yet to improve. This level is driven east about 6i. per fathom, and likely yet to improve. This level is driven east about 6i. per fathom and likely yet to improve. This level is driven east the summen to cut a plat next week, and prepare for sinking without loss of time. The forty west has a most promising appearance; is about three feet wide, composed of mundic and ore, emitting quantities of water. We have holed the winge to the forty cast of the shaft. In this winge we have a good lode in each end, where we purpose setting a new pitch on survey day. At Shanger the south lode has a good appearance, and should think it will produce ore enough this mouth to pay for driving both ends. The north lode cannot be valued for ore, though it is kindly.

W. Sincock.

### WEST WHEAL JEWEL MINING ASSOCIATION.

WEST WHEAL JEWEL MINING ASSOCIATION.

Oct. 21.—The men will begin to sink fluckingham's shaft under the forty-two fathom level in a few days. The forty-two fathom level east, on the south branch, is divided by a horse; it is nine or ten inches wide—ore on both sides worth 3t. per fathom. The thirty west, on south lode, is two feet wide, composed of good bunches of black and grey ores. Sinking the south adit shaft below the thirty the ground is more favourable. In the winze sinking on the south lode, under the twelve fathom level, the lode is much improved, being eighteen inches wide, a good bunch of ore, worth 10t. per fathom, leaving ground that will work at a low tribute. We have at surface about seventy tons of ore, worth from 450t. to 500t. As soon as our winzes are holed we shall be able to set some pitches at a low price, which will ture out a good deal of ore.

S. LEAN. are holed we shall be a out a good deal of ore.

TRETOIL MINING COMPANY.

St. Blazey, Oct. 21.—Last Friday being our setting-day, we set the same number of pitches that worked last mouth, for one mouth only. The lode in the tweaty fathom level cast is eighteen inches wide, good work of the kind, but not high-priced ore, worth one and a half ton of ore per fathom, and in a s ft stratum of ground. The lode in the rise, in the back of this level, is two feet wide, and poor. The lode in the west end, at this level, is nine inches big, orey, but rather poor. The lode in the rise, at the back of this level, is seven inches wide, with a little ore. We have stopped the cross-cut that was driving north at this level, the ground being so very hard; and if that was driving north at this level, the ground being so very hard; and if the ground should prove favourable, we shall drive north at the thirty fathom level. The lode in the tra fathom cast is six inches big, very poor, but in a soft stratum of ground. The lode in the same level west is four inches wide, a kindly evey branch. We have set John's shaft to sink under the adit level. The price of the tribute and tutwork you have in the setting-sheet.

P. Clymo, Sen.

### UNITED BILLS MINING COMPANY.

Oct. 22.—In the add level driving cast the lode is from six to seven feet wide, and much improved for ore since last reported. In the ten fathom level ead the lode is much increased in size during the past week, although not producing much ore as yet; it has a very kindly appearance. In the twenty-seven fathom level the lode is 18 ft. 6 in, wide—one foot good for ore. In driving east, in the thirty-six fathom level from Parton's shaft, the lode is three feet wide, with stones of ore. West of ditto the lode is 3ft. 6in, wide ore throughout. We are obliged to abandon the forty fathom levels and and west of Webber's minne, in consequence of the veger, also wide, with ore throughout. We are obliged to abandon the forty fathom levels east and west of Webber's winge, in consequence of the water; also east from Nettle's winge. In driving west from Williams' shaft the lode is five feet wide—eighteen inches good ore. East of eastern shaft the lode is five feet wide, producing some good ore. In driving at the fifty fathom level the lode is about three feet wide—eighteen inches good ore. In the western end the lode is about four feet wide, a little improved for ore since our last.

C. PENNONE. REDMOOR CONSULIDATED MINING COMPANY.

ACOMPANY.

Oct. 22.—Johnson's Fiat-rod engine-shaft is sunk 9fms. 2ft. below the seventy fathom level; the lode here is about one foot big, good work for silver-lead ores; the ground continues much of the same nature as hitherto, hard, which readers it spare for sinking. The lode in the north end, at the seventy fathom level, has a kindly appearance, being from eight to ten inches in width, rich work for silver-lead—ground favourable for driving. In the sixty fathom level north the lode is about six inches wide, producing lead, but not rich. In reference to the tribute department, our pitches at this time are not presenting such a favourable aspect as seen in time past, consequently it is to be feared our next sampling will not exceed the last. At the north mine, in driving east and west on the copper lode, at the twenty fathom level, the lode in the east end is about one foot big, chiefly composed of mundic, capel, and spar, poor for copper—ground favourable; going west fathom level, the lode in the east end is about one foot big, chiefly composed of mundic, capel, and spar, poor for copper—ground favourable; going west the lode is full two feet in width, being principally of mundic, spar, and copper, not rich of the latter, neither do we expect to see the lode productive at this depth, but judging from the present character of the lode, and the favourable strata of ground seen at this level, we are still of the opinion that this lode will prove productive as we proceed in depth. In the cross-cut driving south of the engine-shaft, at the twenty fathom level, we have not intersected any other lode since the one named in my last. Whether the ore already cut is the principal object remains to be proved—however, we hope shortly to ascertain the fact. On Saturday last we dropped the new lift to the thirty fathom level, in the north engine-shaft, and have forked the water at that level, and shall be prepared to commence driving by the close of the present week.

S. HARPUR.

#### TINCROFT MINING COMPANY.

S. Harpur.

Tincroft mining company.

Oct. 16.—There has no particular alteration taken place in the lode in the engine-shaft since my last. We have now eight men sinking the shaft, and four men cutting ground for an angle bob, at the 132, and preparing for fixing lift, &c.; the shaft is still worth 40l, per cubic fathom. The lode in the 142 west is about three feet wide (beyond the cross-course), producing good work both for tin and copper ore. We have still a good branch of copper ore on the south part of the lode, in the 132 west, the north part being good saving work for tin. The lode in the 120 west is about 2 ft. 6 in. wide—six inches of which is rich for tin; this end is more promising than it has been for some time past. The east end, same level, the lode is three feet wide, good saving work for tin and copper ore for the whole width. The stopes in the back of the 110 are yielding excellent work for tin, rather improved since my last. We are now in course of raking down the lode in the 100 fathom level east, and I am glad to say we find that part we left by the side of the level to be four feet wide, good work for tin and copper ore, better than I expected it would be found. The ninety and eighty-one ends are both yielding-good work for copper ore. The seventy two and fifty-eight ends are at present in unusually hard ground, and rather poor to what they have been. Our pitches both for tin and copper ore are on the whole looking better than when I wrote you last. We have this day sampled 139 tons of copper, and have now about fifty tons more at the surface, which we could not get about in time for to-day's sampling. Our new engine-shaft is sunk about fifteen fathoms; we are now about of fix a whim on it, hoping thereby to expedite the sinking. The cagine-house is being got up as fast as can be expected, taking weather into account; it is now about eighteen feet from the surface, or nearly up half its height.

Tamas silver-lead mining company.

#### TAMAR SILVER-LEAD MINING COMPANY.

TAMAR SILVER-LEAD MINING COMPANY.

Oct. 21.—In going south, at the ninety-five fathom level, the lode has become much more promising, and having at length (to all appearances) got through the slide, we anticipate shortly getting into a good run of orey ground, judging from the very productive ground which we discovered in the levels above; the lode is now nearly two feet big, and orey. We are deaning the lode in the 125 fathom level going north. Not the slightest alteration has taken place since the date of my last report. Our tribute department remains much the same. The tributers are working diligently, and I hope most of them are getting wages. We have sampled to-day two parcels of silver lead ores—No, 1, computed forty tons. No. 2, ditto eight ditto, for sale on Wednesday, the 30th inst., on the usual conditions.

MARK JAMES.

PERRAN CONSOLIDATED MINING COMPANY.

PERRAN CONSOLIDATED MINING COMPANY.

Oct. 19.—Windus's engine-shaft is sunk seven fathoms below the twenty-five fathom level; the ground there is of late improved. The lode in the twenty-five fathom level, going east, is about two feet wide, composed of black-jack, mundle, and lead—a promising level. In the fifteen fathom end, ddwing east, the lode is four feet wide, about one four of which is a rich leader of lead one; we have driven through a rich lode here for about six fathoms in length, during the last three weeks. Our tributers are still raising a fair quantity of one, and the prospects of the mine, altogether, we consider to be in an improving state. We sampled last Monday, the 14th instant, computed forty tons of lead one.

R. Rowe.

computed forty tons of lead ore.

R. ROWE.

POLBREEN MINING COMPANY.

Oct. 18.—We have driven east of Fiat-rod engine-shaft, on Dorcas's lode, at the thirty-two fathom level, about three fathoms, and have cut the cross-course; the lode continues small, but contains a little tin. We have now set to drive south further, to cut Bowl and Butt's lode, and expect to drive about three or four fathoms before we intersect that object. At the twenty-two fathom level, east of engine-shaft, Dorcas's lode is two feet wide, the whole of which is producing good work, and in the back of this level we have set a pitch at 6s. 8d. out of the 1l. The eastern shaft, sinking from adit on this level, denominated Roweis shaft, the ground is moderate for sinking. whole of which is producing good work, and in the back of this level we have set a pitch at 6s. 8d. out of the 1l. The eastern shaft, sinking from adit on this level, denominated Rowe's shaft, the ground is moderate for sinking, and no doubt this shaft will be sunk rapidly, and not expensive, which is important for the future working of this mine, particularly as our prospects are very encouraging in this direction. We have set to day ten pitches, varying from 6s. 8d. to 13s. 4d. out of the 1l.

R. ROWE.

#### CORNISH VITAL STATISTICS AND POLYTECHNIC SOCIETY TO THE EDITOR OF THE CORNWALL GAZETTE.

Six,—It is greatly to be desired that Sir Charles Lemon's" Reflections on the Health of the Cornish Miners," published in your paper of Friday week, may effect the object of the philanthropic author—and induce increased exertion in behalf of our mining population. Sir Charles shows that, while Cornwall ranks considerably above the average of England in point of longevity, it has considerably more than an average of fatal cases of diseases of the chest; and it has been shown in the tables which Sir Charles does me the honour to quote, that these diseases abound in the mining districts to an extent immensely above even the Cornish average, the unavoidable conclusion is that the occupations of the Cornish miners have a peculiar tendency to produce such diseases. In appears sufficiently clear, and some idea of the extent of the mischief may be found from the fact that in a comparison of the longevity of a mining parish, with that of a parish in which no miners reside, which were both rural parishes, and very similar in respect of soil and climate, I have found the difference (in round numbers) to the disadvantage of the mining parish, in the number of males,

reaching the age of 80 as 3 to 9

70 as 8 to 25

60 as 16 to 28

75 as 26 to 37

the disparity continuing to decrease down to the age of thirty, when it be--It is greatly to be desired that Sir Charles Lemon's " Refle

the disparity continuing to decrease down to the age of thirty, when it begins to be in favour of the mining parish. That the cause of this great difference in the longevity of these parishes is the occupations of a majority of their male inhabitants, and not any difference of climate, as Sir Charles also shows, is proved by the fact that children, at the ages most susceptible of any deleterious influences of climate, die in as few numbers in this mining parish as in some of the most healthful parishes in the county. On comparing the female longevity of these parishes, I found much less disparity than in that of the males, although, as is well known, the occupations of large numbers of females in mining neighbourhoods is also extremely injurious to health.

That the occupation of the Cornich miner greatly shortens his life, and that it does so, especially, by producing diseases of the thoracie there can be no doubt. But that this is so exclusively referrible a there can be no doubt. But that this is o exclusively referrible as Sir C. Lemon seems inclined to believe to the manner in which our miners ascend the miners, I venture with all deference to say there may be very great doubt. I san inclined to think that the utterly insufficient ventilation of our mines is an equally important agent in producing these diseases. If my information be correct, the evil of defective ventilation, from the nature of the strata, and the peculiar modes of working, exists in our copper mines to a greater extent than in the mines of any other part of England. I believe the coal mines, in the districts mentioned in Sir Charles Lemon's paper, are, in general, very perfectly ventilated, especially in the parts where the miners are at work. The Counish mines, on the contrary, are, in general, very imperfectly ventilated, especially in the "ends" and backs of levels, where the miners are principally employed. The Cornish miner frequently crawls to his work through passages so narrow, and so low, as under any circumstances would scriously impede the ventilation. He frequently works six or eight hours a-day, in places where he cannot stand upright—where the free eight hours a day, in places where he cannot stand upright—where the free use of his limbs, and the expansion of his chest are alike prevented—in an excavation so small that the urre bulk of the men comployed in it produces a excavation so small that the usere bulk of the men employed in it produces a serious diminution of the quantity of air it will contain, while the quality of the little air they get is deteriorated, in all cases, by the breathing of the men, and the combustion of their caudies—and, perhaps, in a majority of cases, by frequent explosions of gunpowder, and the natural disengagement of noxious gases.

In the western of noxious gases.

The existence extent, and principal causes of the mischief, have been c. Pennose.

Aboun but the question remains—how is the evil to be remedied? how are

the mines to be better ventilated? and how is the exhausted miner to be saved the prodigious labour of ascent? For effecting both these objects some very ingenious plans have been proposed to the Polytechnic Society, but as yet, it is to be lamented, with very unimportant results. Notwithstanding the munificeat proposals, made by wealthy individuals, for carrying into effect a plan, approved by the society, for the ascent of miners. I believe nothing in that way has been yet attempted. How is it that, where the evil is so evident, and so extensive—while, on the average, the miner's life is shortened full twenty years by his occupation—nothing has been done for his resilie? It were a inhel on the benevolence of the county to attribute this result to any indifference to the welfare of the miner. I fear it may more correctly be considered the consequence of some distrust of the opinions of the judges appointed by the society. I am quite aware that a disappointed candidate is apt to be wrongly impressed on this subject. That one who has to console himself with the assurance, which such an individual, perhaps, always has, that his plan is the one which must, after all, be adopted, is apt to wish an opinion to be correct, before he has sufficient reason to believe it so. But I believe I am the subject of no wrong impression, nor of any prejudice in thinking that such a distrust does extensively exist. A plan was found to be in operation in the Hartz mines, which was stated to answer all the purposes desired. Now it has been thought by many that if it answered so well, nothing more was required than to introduce this very plan, without inviting competition in the proposal of others. But the very obvious answer was at hand. It was desirable to see if the objects proposed could not be effected in some better way. But then comes the cause of the distrust I allude to—the enchantments of the Biocken seem to have had an extraordinary influence on the minds of the judges. Whatever plan has not had its archetype in the Hartz the mines to be better ventilated? and how is the exhausted miner to be saved the prodigious labour of ascent? For effecting both these objects some effected in some better way. But then comes the cause of the distrust I allude to—the enchantments of the Brocken seem to have had an extraordinary influence on the minds of the judges. Whatever plan has not had its archetype in the Hartz mountains has had no merit in their view. The German have tried a plan, and although we want a better, it must be constructed on the same principle. That plan which has come the nearest to the German plan has always been the one which the judges have been the readiest to patronize. Sir Charles informs us, and he seems to approve of the plan, that the miners in the north ascend and descend in buckets. One of the witnesses examined by the House of Commons' committee on mine accidents, stated that it was considered safe, where the carriages, or "corves" are made to run in grooves, to pass up and down at the speed of 100 fathoms in two minutes. We have here a steady motion, and sufficient rapidity; and if, in addition, a plan could be suggested to prevent the fall of the bucket in case of the breaking of the rope or chain, one would think the objects of the philanthropist as effectually secured as they could be by the more cumbrous, and expensive machinery of the German rods, and platforms. No improvement, however, on the English plan has been approved; while almost every year a premium has been adjudged to some new und equal impraticable modification of the other. These remarks are by no means made with a view of casting blame on the judges; their predilections may have taken an unfortunate German twist, but I am very far from thinking that they have not been actuated by a sincere desire to promote the objects of the invaluable institution German twist, but I am very far from thinking that they have not been actuated by a sincere desire to promote the objects of the invaluable institution which appointed them, and the benevolent individuals by whom the premiums have been offered. My object is, rather, to suggest the propriety of trying whether any other, and less expensive pian would find more favour with the mining public. I believe, however, that until some plan has actually been seen in operation, the matter will not be taken up by the public with the spirit necessary to carry it into effect to any very useful extent. Perhaps an effectual way of calling public attention to the subject would be to institute a series of experiments, to be made on the mines, and on a scale sufficiently large to allow the labouring miner to test the comparative conveniently large to allow the labouring miner to test the comparative conveniently tute a series of experiments, to be made on the mines, and on a scale sufficiently large to allow the labouring miner to test the comparative convenience, and judge of the comparative security of the plans; experiments not confined to the rod principle; but admitting the competition of the safety bucket, with eogs, and with spring catches, and in short any other plan in behalf of which a reasonable ground to expect a good result could be shown. And, perhaps, the same ladies and gentlemen who have in vain offered their generous assistance to carry a single plan into effect, would have no objection to aid in trying these experiments on various plans. ion to aid in trying these experiments on various plans.

But when this object shall have been attained, and the miner shall no

onger have to encounter the painful ascent with which he now concludes his abour, the work of the philanthropist will be only half accomplished, unless better ventilation of the mines be also obtained. It will be vain to hope a better ventilation of the mines be also obtained. It will be vain to hope that bringing the miner to the surface without any exertion of his own, will, of itself, be sufficient to obviate his peculiar tendency to disease and premature death. A better ventilation is imperatively called for, and the attention of our scientific men should be more directed to that subject. Previous to the last Polytechnic exhibition, I was shown a proposition for ventilating mines by means of fires—the furnaces for which were so contrived as to draw the air necessary for combustion from the places where the men were at wark. A sketch of the plan was sent to the society, but, either from its demerit, or informality, was never noticed. A plan of a somewhat similar bind (I mayer from means) at wark. A sketch of the plan was sent to the society, but, either from its demerit, or informality, was never noticed. A plan of a somewhat similar kind (I speak from memory) was afterwards proposed by Mr. Moyle, I think, at the annual meeting of the Royal Institution. It was in fact a modification of the plan on which our principal coal mines are ventilated, adapted to the peculiarities of Coraish mines. The plan appeared a very plansible, and comparatively inexpensive one, and I am sorry no notice has been taken of it; or, at least, that no plan considered sufficiently practicable has been necessaries.

it; or, at least, that no plan considered sumetently practicable has been proposed.

I beg, Sir, in conclusion, to apologise for the length to which I have intraded on your columns. The interest I take in whatever concerns the meritorious labouring population in the midst of which I live, would not allow me to pass unnoticed, an implied opinion, coming from so high a quanter, that to save the miner his present labour of leaving work was the only thing wanting to remove his peculiar tendency to diseases of the chest. I hope I have been guilty of no presumption in making these remarks; and if I shall have aided, in ever so small a degree, to fix the attention of the public on the sufferings of a large portion of my poorer neighbours, I shall have gained the principal object I have had in committing these remarks to paper.

I remain, Sir, very respectfully yours,

ROBERT BLEE, Jun.

TO MR. ROBERT BLEE, JUN.

SIR.—I have read with considerable interest your communication on the "Vital Statistics of Cornwall," which does honour to both your head and heart.

—Sir Charles Lemon describes the premature decay of our mining population solely to the physical injury sustained in ascending and descending our mines, whilst you, in addition, very justly, I conceive, consider that an equal amount is inflicted by bad air. Another striking fact which you adduce, and to which neither of the above causes conduce, is also the unusual female mortality in our Cornish mining localities. We all know they do not labour underground. A third cause, I am strongly inclined to believe, of the frightful mortality, as compared with the Staffordshire or Welsh colliers,—the lead miners of Derbyshire and Northumberland, &c., may be ascribed to deficiency of food, arising from irregularity and inadequacy of wages. This, I believe, has been alluded to, both by Lanyon and Carlyon. In passing the different greups, or "pairs" of these haggard, worn-down men, on our roads and thoroughfares, the impression which irresistily forces itself upon the mind of the observer, from their physical appearance, is, that their nourishment must be either insufficient in quantity, or innutritive in quality, or both; or, in common language, that they do not get a "belly full."—You, sir, reside at Redruth, which may be considered the centre of one of our most important and extensive county mining districts, and I shall, therefore, feel much obliged if you will, through the medium of the columns of this respectable journal, favour me with a statement of the range of miners and mine labourers' wages in your neighbourhood, social and domestic habits, &c., as bearing upon their general health.

Yours, truly, TO MR. ROBERT BLEE, JUN. Yours, truly, HUMANITAS.

THE EFFECTS OF THE STEAM-ENGINE.-If the contrivances by which this vast power is brought to bear on the arts and manufactures be ren-dered attractive by their great mechanical beauty, how much more im-posing will the subject become when the effects which the steam-engine has produced upon the well-being of the human race are considered! It has produced upon the well-being of the human race are considered: It has penetrated the crust of the earth, and drawn from beneath it boundless treasures of mineral wealth, which, without its aid, would have been rendered inaccessible; it has drawn up, in measureless quantity, the fuel on which its own life and activity depend; it has relieved men from their most slavish toils, and reduced labour in a great degree to light and easy superintendence. To enumerate its present effects, would be to count almost every comfort and every luxury of life. It has increased the sum of human happiness, not only by calling new pleasures into existence, but by so cheapening former enjoyments as to render them attainable by by so cheapening former enjoyments as to render them attainable by those who before could never have hoped to share them; the surface of the land, and the face of the waters, are traversed with equal facility by its power; and by thus stimulating and facilitating the intercourse of na-tion with nation, and the commerce of people with people, it has knit together remote countries by bonds of amity not likely to be broken. Streams of knowledge and information are kept flowing between distant centres of population, those more advanced diffusing civilisation and im-provement among those that are more backward. The press itself, to which mankind owes in so large a degree the rapidity of their dern times, has had its power and influence increased in a manifold ratio by its union with the steam-engine. It is thus that literature is cheapened, and, by being cheapened, diffused; it is thus that reason has taken the place of force, and the pen has superseded the sword; it is thus that war has almost ceased upon the earth, and that the differences inevitably arise between people and people are for the most part adjusted by peaceful negotiation.—The Steam-Engine Familiarly Explained, by

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#### NEW COMPANIES

Under this head we propose to notice weekly the several new projects which may be brought forward, and to which public attention is directed, through the medium of the press or otherwise, confining ourselves, how-ever, to "Public Companies," and briefly noticing their objects with such general information as is conveyed by the prospectuses, or which may be gathered from other sources, on which reliance may be placed. We shall, therefore, feel at all times obliged for particulars duly authenticated, on subject of projected companies; and while it will be our object to avoid the exercise of bias in favour of any particular undertaking, we shall at the same time endeavour to collate such information as is calculated to afford to the capitalist the opportunity of judging of its merits, and the correctness of the opinions put forward in the representations of the projectors.

#### RECENT DECREE OF THE CONGRESS OF NEW GRANADA.

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According to a decree of the Congress of New Granada, in 1835, Portobello and Panama were to be declared free ports for twenty years, so soon as a communication should be opened between the Atlantic and Pacific Oceans, from one of those places to the other, either by canal or by rail-road. As these enterprises, so often announced, and for which special privileges were conceded to various companies and individuals, have never been carried into effect, nor even commenced, another decree was passed in May last, importing that until the realisation of the project referred to the port of Panama is to possess for four years the following privileges:

—All national and foreign vessels of friendly and neutral states are to be exempted from payment of any duties of anchorage, tonange, or other duties usually received on their entry and anchorage, tonange, or other duties usually received on their entry and anchorage. The agricultural produce of the republics of the Ecuador, Peru, Mexico, and Central America, the importation of which is permitted into New Granada, are not to be subject to any duties of import, excise, or roads. Gold in the shape of dust, paste, or manufactured, and silver in bars, pigs, or manufactured, are not to be liable to any export duty, provided they are the produce of the Istamus, or imported from abroad. National and foreign vessels which enter the port of Panama may proceed to take in fresh water and provisions at the island of Taboga, for which the necessary precautions will be adopted at the Custom-house. Portobelio is declared a port of entrepôt for all national and foreign merchandise, according to the regulations established by the decree of April 4, 1836. The port of Buenaventura, on the coast of the Pacific, is declared a free port for the space of forty years, with the right of free entry and departure of national and foreign vessels of every class, without payment of any import dues, or of any other charge of whatever kind. No exception is made except for the vessels of nations at war

#### MILLER'S PATENT FIRE BARS.

MILLER'S PATENT FIRE BARS.

A patent has been taken out for a new fire-bar, which promises to be a great improvement on any yet in use, and is suited not only to the common steam-engine furnaces, but can with equal facility be applied to the furnaces of marine engines, and the locomotive engines of railways, &c. The principle of the invention consists in moving each alternate bar longitudinally in one direction, whilst the intermediate bars are moved in the opposite one. This movement, aided by the channelled surface of the bars, breaks up the clinkers the instant they are formed, or prevents their formation, and thus keeps the air-way perfectly free. Considerable attention has from time to time been paid to the improvement of the fire-bar, now become of so much importance to the manufacturing community, by men eminently qualified, and several patents have been obtained for this purpose, all of which have been very considerable improvements over the ordinary fire-bar. The object of the inventors not being always the same, has produced a great variety of plans, which have had more or less merit. Brunton and also Steel, with a view to an equal distribution of the fire, made the grate itself revolve; others have simply moved the fire-bars, with the intention of preventing the adhesion of clinkers, and the consequent obstruction of the air-way. This is the object of Miller's patent, which, being simple in its principle, of easy construction, not requiring extraordinary strength, and, consequently, no increased weight of metal, the object is attained with little increased expense over the ordinary fire-bar. The advantages it secures are very considerable; for not only, by the perfect freedom from all obstruction of the air-way, is the combustion of the fuel and its heating-power considerably increased, but coal of an inferior quality can be used without the usual effect of choking up the grate. By the vigorous combustion which this grate insures, it prevents large masses of coal from passing away unconsumed in the f

BRUSSELS, OCT. 18.—The Commerce Belge says—We can assure our readers that the sale of the establishment at Seraing is decided on, and will take place on the 1st of March next year. It will be put up at 10,000,000 francs. This assurance on our part is a sufficient answer to the journals which have announced the sale of the manufactory as having already taken place. It is very probable that so experienced a man as John Cockerill may have been able to insure the realisation of so important a sale at a fixed price reserving to himself the chance of obtains.

John Cockerill may have been able to insure the realisation of so important a sale at a fixed price, reserving to himself the chance of obtaining a higher offer by public sale. It is nevertheless true, that the sale will be public, that monied men and companies, and Government itself, will have an opportunity of entering into competition with a forrigo bidder.

IMPERIAL BANK OF MANCHESTER.—The solicitors for the claimants request the attendance of the original shareholders at the York Hotel, Manchester, on Monday next, when several propositions which, it is considered, will conduce to the arrangement of the affairs of the bank, will be submitted.

submitted.

Volcanic Matter.—The greatest part of the coast south-west of Ætaa consists of lava, which, in times long anterior to all historical records, ran down its sides. The dates of only two of the cruptions which produced the lava are known—that of the 96th Olympiad, and another 122 years before Christ. Recupero, the Sicilian topographer and historian, estimates the volcanic matter ejected in the cruption of 1669 (a memorable one indeed) at 94,000,000 of cubic passi (a passi is five feet) equal to 11,750,000,000 cubic feet. Now that mass of solid matter would build a dozen such cities as London, supposing it to consist of 208,000 houses, and each house to contain 5000 cubic feet of walls. This same eruption of 1669 destroyed the habitations of 27,000 people,—Simond's Tour in Sicily.

HETTON COLLIERY.-The average rate of wages at the Hetton colliery are, hewers 3s. 9d., putters 3s. 9., banksmen 4s. 7d., waggonmen 3s. 6d., enginemen 3s. 4d., masons 3s. 5d., smiths 3s. 2d. per day, with house, firing, and gardens in addition; the hewers for six, and all the others for

hring, and gardens in addition; the hewers for six, and all the others for twelve hours per day.

The "British Queen" Steam-ship.—Previous to the British Queen leaving New York the engineer detected several pieces of iron put into the machinery by some evil-disposed person, which would have caused extensive destruction had the dicovery not been made in time. This should be a warning to all engineers to examine their machinery carefully whenever they have been in a position admitting of the possibility of malicious persons having access to their vessels. The officers of the British Oween have not been able to fix suspicion on any particular the British Queen have not been able to fix suspicion on any particular

Measer Tunnet.-Last week a meeting was held at Liverpo the purpose of forming a company to undertake to make a tunnel under the Mersey, to connect Liverpool with the Chesire side of the river. Mr. Stevenson, Mr. Vignoles, and other eminent engineers, declared the un-

AURORA BORRALIS.—An aurora borealis of considerable extent was perceived at Douai on the 16th inst., at half-past six in the evening. As the night advanced the effect became so strong that the town was quite

Machine for Propelling Carriages.—We understand that Mr. Boydell, who has a patent for an improved method of propelling earriages, will, at the request of some of the Staffordshire ironmasters, exhibit a machine propelled by manual power, on the 29th of this month, at the Himley Arms, Himley. Some time ago he made several experiments in the neighbourhood of Chester, when he showed the power of the principle, by propelling several carts attached to the machine, and seventy persons riding, by one man's power, for a short distance, at the rate of half a mile an hour; a carriage itself, with two men working, at the rate of eight miles an hour; and one carriage attached, with seven persons riding, at the rate of about six miles an hour. By steam power there is no doubt any speed may be obtained, or any weight of load pulled forward, and it is confidently hoped that this principle of movement will do away with the necessity of making railroads only upon nearly a level, and that the same power which is now used to propel carriages on railways will take them up any inclination not exceeding 1 in 30.—Welter-hampton Chronicle.

			BS AT LIVERPOOL.			
		d,		æ		-
Liverp. & Manch. Railway100 186		0	Newcastle and Carlisle 100			-
Ditto Quarters 25 4	6 34	0	Ditto Quarter shares. , 25		- 5	0
Ditto New Halves 40 8			South Eastern 12			
Bolton and Leigh ditto 100 6			St. Helens & Runcorn Gap 100			
Birming. & Gloucester do. 50 38			Ulster &			
Birmingham and Derby 50 40			Wigan Branch ditto 100			
Chester and Birkenhead 35 43			Warrington & Newton do. 100			
Chester and Crewe 35 31			York and North Midland 30	37	5	-
Eastern Counties 18			Albion 25	22	2	6
Edinburgh and Glasgow 10 13		0	Bank of Liverpool 124	21	15	
Glasg., Paisley, & Greenock 14 15			Borough Bank 10	14	7	4
Ditto, Kilmarnock, & Ayr 15 11			Commercial Bank of Liver. 10	19	10	ě
Grand Junction ditto 100 201			Commercial Bank of Engl. &	4	1	0
Ditto Half shares 30° 73			East of England Bank 10	9	7	6
Great Western Railway 65 63	10	0	Liverpool Banking 10	9		0
	17	6	Union Bank of Liverpool 10	13	9	6
Kenyon and Leigh ditto 100		0	Bank of Manchester 10	1.8	2	6
Leicester & Swanning, do. 50 71			Royal Rock Forry 20		0	à
New shares 30 49	10	. 0	Monk's (Woodside) 17	7	5	ě
London and Birmingh, do. 90 140	0		Manchester & L'pool Dist. 15	11	9	0
Quarter shares 8 21		0	Northernand Central Bank 10	3	7	6
Ditto new shares 16 31	3	0	North & South Wales Bank 10			0
London and Brighton 30 17	2	-6	Royal Bank of Liverpool 860	719		ä
London and South-Westn, 50 39			South Lancashire Bank 24	6	7	6
Manchester & Birmingham 25 16	lu	0	Wilts and Dorset Bank 74	7	2	6
Ditto Extension 7 6	10	0	Liverp. Marine Assur. Co. 25	4	10	0
Leeds and Manchester do. 60 67	0	0	Ocean Assurance Company 10	6	7	ä
Manchest., Bolton, & Bury			Liverp. & Har. W. Works200	457		0
Railway and Canal 83 36	10	0		127	10	ě
	0	0	Liverpool Coal Gas		0	ě
North Midland ditto 85 81	0	0	Liverpool ew Gas & Cokelon	192	0	0
North Union 100 61	0	0	Exchange Buildings 100			0

Purchasers.	Mines.	Tons	Total	Paic		A			Fotal	Principal Princi	44
I. FREEMAN	Knockmahon			10 11	d. 0		ø.	d.	-	ā.	d
and Co.		-	106	1.0		-		_	1118	6	- 0
2. SIMS, WILL-		8		44 4	6	353	16	0		-	7
VAMS, NEVILL,	4444	7		19 14	- 6	kite	1	4			
and Co.		1		44.1		18	14	-6	1		
-	Dolgelly	16		3 19	0	63		. 0			
-	****	3		7 6	-6	21	19	6	1		
		-	35			-		-	595	15	6
3. VIVIAN and	Cobre	95		15 4	0	1444		0			
Sons.	** *	91		14 3	0	1287	13	0			
		68 27		14 3	0	962		0			
	***	94		18 2	0	488		0			
		95		15 2	0	1363		0			
-	1111	19		14 0	0	226	117	0	1		
-	Tigrony	27.6		2 5	0	61	17	6			
	Chili	114		15 3	0	17:27	2	0			
-		58 1		15 0	0	1070		0	1		
-	Knockmahon	102		9 18	0	1005		0			
		holeston	7904			1,		_	10824	16	0
4. WILLIAMS	Cobre	73		18 12	-6	1359	12	6		-	
and Co.	Tigrony	95		4 18	0	465	10	0			
W 1980		93		4 8	0	409	4	0			
	****	274		2 5	0	61	17	6			
-		52		4 H	3	228	16	0	1		
-	Cronebane	86		4 14	0	404	4	0			
MONORED .	4414	32		3 0	0	96	0	0			
	Chili	89		17 7	0	1474	1.5	0			
-	****	36		17 11	0	631	16	0			
-	* * *	22		17 3 17 11	0	257	8	0			
_	Knockmahon	62			0	384	2	0			
	41-11-11-1	124		8 16	0	23.1	12	6			
	nanymurtagn	58		2 11	62	135	17	0			
	****	43		2 14	6	117	3	6			
	Parys Mine	102		2 15	6	281	1	0			
			9994	- 10		201		-	7095	18	6

### SALE OF COPPER ORES AT TRUBO

Sampled Oct. 9, and sold at Farquarson's Hotel, Truro, Oct. 24.

Mines	Fre		4	dia.	d.	Prochases	Mines	True		Price.	d. Furthers
United M.	125		4	0		Williams.	Gt. St. Geo.	. 11 .	-4	3	e. Williams.
ditto	102	1.5	16	- 5	6		Fower C.	96	5	16	6. Nevill & Co.
ditto	101		8	5	6.,		ditto	55	- 5	6	0. Vivians.
ditto	100	**	5	4	6		ditto	343	4	6	6
ditto	598		8	5	6	Transmitt.	ditto	58	ā	12	0. Freemans.
ditto	86		7	3	0	-	Hallenbea.	70	3	11	6 . Vivians.
ditto	84		4	13	6	Vivians.	ditto	47	3	3	6
ditto	82		16	8		Williams.	ditto	45	2	15	0 ,
ditto	79		9	14		Vivians.	ditto	38	8	4	0.,
ditto	78	4.0	7	9	0	Nevill & Co.	Godolphia	FIS	7	13	e . Williams.
ditto	75		4	19	0		ditto	5×	8	14	6. Nevill & Co.
ditto	69		7	10		Williams.	ditto	38	11	17	6. Mines Roya
ditto	67	0.0	5	6	0	Viviana.	Gt.W.Char.	.63	3	3	0 Williams.
Consols	102	4.0	7	10		Williams.	ditto	35 .	- 4		6. Mines Roya
ditto	99		ä	.5	0	emonor.	ditto	40 .	5	6	6.,
ditto	95		0	1		Freemans.	ditto	15	4	13	6 . m
ditto	80		4	5	€ ,	Nevill & Co.	ditto	5	21	13	0 Vivians.
ditto	88		a	15		Williams.	Treleigh C.	67	3	12	6. Mines Roya
ditto	84			17		Freemans.	ditto	61 .	- 8	10	0 Freema in
ditto	79		a	8	6	Nevill & Co.		39	2	11	6.,
ditto	78	0.0	8	4		Williams.	Wh Curtis	75	3	11	0., Williams.
Gt. St. Geo.			4	8		Nevill & Co.	ditto	62	3	6	0. Nevill & Co.
ditto			2	3	0	-	S.Caradon	78	-6	3	0. Vivians.
ditto	60			15		Freemans.	ditto	34	- 6	18	0 Williams.
ditto			5	6	0	-	Wh. Perran	48 .	4	19	0
ditto	45	4.	4	9		Crown Co.	ditto	28	4	5	f.,
ditto	43			11		Viviana.	Wh. Leeds	Su	6	7	6. Mines Roya
ditto	36	××.	2	17	6	-	ditto	18	27	14	0 Williams.
						TOTAL P	RODUCE				

				March Co. C. Co.				
United Mines 1146	£7806	2	0	Gt. Wb. Charlotte	189	 £781	à	
Consolidated 714	3763	2	6	Treleagh Consols	170	 701	- 6	0
Gt, St. George 400	1431	- 0	- 0	Wheal Curtin	137	 470	17	
Fowey Consols 343	1799	14	6	South Caradon	112	 fiests	6	
Hallcobengie 200	544	16	6	When! Perran	81	 875	6	
Chadalabia 164	roof	-	-	SATE F	4.	-2-		-

Average standard, 1021. 7s.—Average produce, S.—Average price, 51. Ss. 4d.—Quantity of ore, 3634.—Quantity of fine copper, 250 tons 12 cwt.—Amount of money, 20,9684. 19s. 6d.—Average standard of last sale, 1011. 7s. 9d.—Produce, 8§.

Copper ore for sale on Thursday next, at Andrew's Hotel, Redruth. Mines and Parceis.—Consols., 771; North Roskear, 586; South Roskear and Wheal Chance, 378; United Hills, 351; East Wheal Crofty and Longelose, 336; Dolcoath, 24; Fowey Consols, 222; Wheal Lydia and South Towan, 164; Tincruit 159; Wheal Vyyyan, 116; South Wheal Bastet, 168; Tretoil, 50; East Crinnis, 81; Wheal Plenty, 21; Wheal Sparrow, 18.—Total, 3618.

Copper ore for sale on Thursday week, at Andrew's Hotel, Redruth. Mines and Parcels.—Wheal Darilagton, 714; Carn Brea Mines, 624; Wheal Priendship and Trevarton Downs, 369; Treswann, 262; Power Consols, 281; Maration Mines, 218; Wheal Buller and Wheal Beauchamp, 157; Wheal Julia, 152; Providence Mines, 159; Wheal Speed, 114; Refistian, 159; Wheal Husy, 81; Wheal Trenwith, 61; South Polgooth, 27; Wheal Kitty, 19; Trevaska, 18.—Total, 3317.

### SALE OF COPPER ORES AT SWANSEA.

Copper ores for sale October 33.—Cobre 55, ditto 72, ditto 53, ditto ditto 101, ditto 82, ditto 43, ditto 86, ditto 101, ditto 82, ditto 101, ditto 83, ditto 101, ditto 83, ditto 101, ditto 73, ditto 101, ditto 73, ditto 101, ditto 73, ditto 101, ditto 73, ditto 101, ditto 74, ditto 8, ditto 101, ditto 7, ditto 8, ditto 101, ditto 7, ditto 7, ditto 101, ditto 101, ditt

#### PURCHASES OF COPPER ORES AT REDRUTH,

Portages.	Mines,	Tone Total. Price.		Each parcel			To tal Amount				
Nines Royal	Duffield Mines Wheal Harmony  Tresavean Wheal Harmony	16 50 144 24 24 24 24 25 24 25 26 21 2	104)	7 11 4 2 6 2 3 i6 4 16 7 7 8 4 6 19 7 7 4 6 3 18 3 19 9 8 7	6 6 6 6 6 6	# 120 246 # 10 11 487 712 762 207 619 856 430 129	4. 16 8 16 10 19 12 14 10 19 6 1 10	d. 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	407	is	4
A. GRENTELL A. Co.	Duffield	14 14) 63 21 32 164 16	185	7 11 6 2 2 19 16 19 1 16 6 17 2 18 7 41	6	120 88 25 1067 37 220 278 120	16 16 17 16 0 4 16	8 3 6 C 0 0 · · · 0	1260	6	
8. Sims, Will- vams, Navill, and Co.	Fowny Consols.  Trethellan.  Duffield.  Fowny Consols  Duffield  Levant  Wheal Burrow.  Wheal Goriand.  North Downs	44 56 111 57 38 148 46 65 214 21 26 32 48	206	4 16 4 11 8 19 5 19 7 2 8 4 10 14 11 8 7 1 16 4 5 6 17 5 4	8 8	211 254 495 359 199 584 211 945 170 37 32 220 249	4 4 13 3 10 15 16 16 16 10 12	6 0 0 0 0 0	1441		
			1696						0,161	-	-

### PURCHASES OF BLACK TIN AT REDRUTH,

Purchasers,	Mines.	Tone	Total		Prin	0.	Au	-		Timal	1000	was.
Freloweth & Carvedrass Houses.	Charlestown U. M. Wheal Budnick . Trevastus. Polgooth	10 Hg 12 G		# 40 37 44 48 49 44		4.0000000000000000000000000000000000000	336 111 123 38 468 381 71 268	8. 3 13 7 5 15 16 10	d. 9 0 6 0 0 3 3 0			
*******	Tincroft	1	-		000		29	0	0			
TREESIPE House.	Wheal Kitty	9 24	114	44	12	6 0	401	12	6	1000		9
ANGARRACE.	Charlestown U. M.	104	116	46	5	0	479	16	10	360	10	0
& CALBRICK	10.00	39		44	15	0	167	146	3	1		
Houses.	Wheal Budnick	7		47	2	6	2525.8	12	6	1		
personal contracts		25		44	à	0	425	7	ei.			
		2		44	15	0	1078	10	0			
proxime.	111	24		4	7	45	85	1.06	19	1		
-	Carnon	4		52	15	0	211	13	65	1		
_	1411	75		45	A	0	101	16	3	1		
-		- 1		43	-	0	32	5	0			
-	Bottle Hill	7			10	69	4	2	4			
-	Tincroft	4			7	6		10	-	1		
		-	40	-		-	22.00	***		1903	D rea	1
PRETERLLAN	Charlestown U. M.	101	-	46	5	0	479	16	10	1900	10	ā
MELLANHAR		24			15	18	51	17	41			
fousss.	Wheal Budnick	22		44		0	125	2	4	1		
Married Co.	111	2	- 1	44	15	10	1604	143	0	1		
Milleren	Wheal Kitty	64	1	41	13	0	266	10	0			
******	111	3					412	5	0			
Message	Trevaskus	4.0		81	2	6	221	10	7			
-	Cook's Kitchen	12			101	0	534	0	6			
-	Tengue's executors	5			18	0	216	A	0			
-	South Polgooth	14	1	4:5	17	6		16	a			
-	1111	4		54		10	17	2	6			
		-	484						-	2110	è	

### FROM THE LONDON GAZETTE,

Tuesday, October 22.

Oct. 21.—Samuel Coxhead, Westminster-bridge road, oilman.

J. M. Machin, High Holborn, tavern-keeper. (Hare, Lincoln's-inn-fields, J. Blomfield, Lynn, Norfolis, bookseller. (Crowder and Co., Mansion-in-ass-aircet, W. James, Malinsler, Shropshire, cool-met-dath. (Lapse and Co., Bedurd-row, Elizabeth Long, Tavistock, Devonshire, grocer. (Burr, Lombard-street, W. J. Horsell, Aberporth, Cardigan hire, malister. [George, Cardigan. D. Bickley, Devonport, cabinet-maker. (Williams and Co., Bir-pince, Holborn, M. Martin, Liverpool, wine-dealer. (Oliver, Old Jeery, G. Rudstoo, Eingshon-upon-Hull, and Newland, Yorkshire, woollen-draper, (Walmsley, Keightiey, and Parkin, Chancery-lane.

H. Tarbotton, Thorney, Yorkshire, cord-dealer. (Robinson & Co., Essex.st., Sfrand. H. P. Hutchins, Hastings, Sussex, hotel-keeper. (Falthtui, King's-td., Bedford-row, Pall-mail East.

CERTIFICATES to be granted, unless cause be shown to the contrary, on or before Nov. 12.

J. T. Buckley, Liverpool, chresefactor—T. S. Smith, Liverpool, brewer—J. C. Yole, East Stonehouse, Devoushire, coal-merchant—H. Powell, Newington Butts,

### Priday, October 25.

Oct. 23.—William Gardiner, Wokingham, Berkshire, grocer.

Samuel Kont, Salford, victualler.

BANKRUPTS.

N. Davis, Westerham, Kent, innkeeper. [Sizvens and Co., Queen.st., Cheapside. J. M. D. Kieffer, Southampton-street, Covent-garden, baker. [Poussett and Whittington, Sambrook-court, Basinghall-street.]

R. Archer, Queen.st., Cheapside, whos-merchant. [Teagus, Crown et., Cheapside, J. Lasalle, Muscovy-court, Trinity-square, merchant. [Milne and Co., Teague.]

CERTIFICATES to be granted, unless cause be shown to the contrary, on or before Nov. 15.

W. Pearsall, Birmingham, pearl-button-maker—R. Bright, Holborn-bars, chemist.

## COAL MARKET, LONDON.

Prices of coals per ton at the close of the market:—Adair's 19.3—Hell, Robson, and Co.'s Hartley 18—Holywell Main 21.6—Original windsor P ntop 28.6—Ord's Redheugh 17.6—Postop Wiedsor 29.—Smith's Postop 18—Wylam 29.6—Cherton 18.—Charke and Co. 29.—Gosforth 29.—Heston 2.5.—Huston 18.—Mospan 21.6—Killing worth 22.9—Northumberland 22.—Percy Bensham 22.—Histol 22.6—Braddyll'a Hetton 23.9—Harwell 29.9—Hetton 24.—Lyon 24.—Kombios 23.3—Russell's Hetton 24.—Whitwell 28.3—Hartleppol 24.5—Kelloe 24.6—Norwood Main 19.—Harrley 29.—Graigola 25.6—Liangeonech 29.6—Devonshire 29.6—Shipa arrived, 115.

## WEDNESDAY.

WEDNESDAY.

Ruddle's West Hartiey 20—Carr's (Fartiey 20—Felling Main 17 9—Holywell Main 18 6—Hunter's Main 19 6—Leare's Main 17—Ponto, Windsor 20—Soull, Resumont 19—Tanfield Moor 23 6—Wylam 29 9—Seymour Steam-bost 18 9—Brampton 18—Cowpen 18—Hartiey 20—Howard's Netherton Main 17 9—Hangemeet Coal 26—Oakwood 29—Will's end Brown 19 4—Gessforth 23—Hutton 18—Hotseur 21 6—Moustmoor 19 3—Ne warsch 21 9—Perkins 21 6—Helmont 23 6—Hartie 24 6—Sewat 24 4—Adelaide 24—Coundon Tees 23 3—Clarence Hetton 23—Gordon 22 9—Richardson's Hartie 18—Sould Durham 23 3—Tees Tanfield 19—Tees 23 6—West Hetton 23 6—Devonshire 29 6—Henderson 18.—Shipp arrived, 6.

### FRIDAY.

FRIDAY.

Adairs 19—Carr's Hartley 29 6—Pontop Windsor 29—Smith's Pontop 19 3—Town-ley 19 —Wylam 29 6—W. E. Brown's 19 5—Clarks and Co. 28—Grace 26 —Hotspur 21 6—Killingworth 27 9—Newmarch 21 9—Northumberland 21 9—Perkins 21 6—Brasdyl's Histon 24—Harweil 23 3—Lambton 26 6—Ransel's Histon 23—Silven art's 24 6—Whitten 24—Harrispool 24 6—Adelaide 24—Barrett 23 3—Hirwey's Denney 23—Gordon 32 9—South Durham 29 3—Tees Heston 29—Tee 25 6—Windleston 21—Cowpen 19—Hartley 20 6—Liangen—ech Coul 20 6—Ships mrived, 61.

PRICES OF STOCKS.	PRICES OF SHARES. BRITISH MINES.	PRICES OF SHARES.	PRICES OF SHAREZ.
ENGLISH PUBLIC FUNDS	Mad 11 12 12 12	Ho. of State   State	No. of Shapes. Season of Contract of Contr
BANK Spock, 7 per Cent. 1/74 # 1784 9 1784 9 1794 84 1792 189 792 3 per Cent. Red. Anna		10,000 Angio Mexican Mint 10 10 11 11 11 11 10,000 Anti Dry Rot 25 174 7 61 7 10,000 Asphalte (Ciaringe) 20 4 1 2 2	25,000 Agric. & Com. of Irel. 25 10
3 per Cent. Anns. 1916. 3 per Cent. Anns. 1726. 34 per Cent. Red. Anns. 97 63 962 79 974 5 972 63 973 978 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	500 Angiesey	10,000 Asphalte (U. S.)	10,000 Birmingham Bank. 50 10 754 10 Mar. 500,000 British Linen Co 100 100 8 Dec. 20 800 British North Amer. 50 25 284 6 Mar.
New 5 per Cent	8,000 Blaenavon	8,000 Bahia Steam	100,000 Commercial 5 5 5 5 7 7 - 20,000 Colonial 100 25 29 5 Jan. 5,000 Devon and Cornwall 100 25 45 8 -
Ditto	2,000 Cornubian Lead Co	10,000 Canada Company  100 324   294 294 294 200,000 Canada (Upper) Bonds   914 914 914	3,000 Equitable Loan Co
Ditto New Ann. 3 per Cent.  8 per Cent. Anns	2.000 East Cornwall Tin, &c. 6 6 3 2 2	tral America [Deb. 29 154 54 44 44 5 66 100 Deciration Patent Salt 25 25 144 144 144	6,000 Hampshire
Exchaquer Balis, £1009 17 4 2 1 dis 1 3 1 dis 3 1 dis 3 1 dis 1 3 dis 1 3 dis 1 5 dis 1 5 dis 1 5 dis 2 dis par pur 2 dis par 2 dis par par 2 dis par 2 dis par par 2 dis par 2 dis 2 dis par par 2 dis par 2 dis 2 dis p	1,200 East Mulberry Hills . 34 34 2 14 14 4,000 English . 25 124 2 14 2 14 2 3 250 Great Wh. Prosper . 25 74 5 5 5	2,500 Essex Marine Salt	25,000 Liverpool 100 10 231 10 July 60,000 Lond. Joint Stock Co. 50 10 121 5 June
Ditto Coen.  3 p. Cent.Cons. for Ac. Nov. 27 90 § § 90 § § 91 99 § 90 § § 90 § § 90 § 1 96 § 1 96 § 1  3 ck Stock for Ac. Nov. 28.  Jadia Stock for Ac. Nov. 28.  2474	4,0.00 Great Wh. Charlotte. 24 24 34 35 10,000 Hibernian 50 12 34 34 34 100 Holmbush 100 34 34 34 34	2,100 Hungerford Market. 100 100 12 32 32 Hudson's Bay Stock. 100 100 26g 268 268 16,600 India Steam Ship Co. 50 3	50,000 Manch & Liver Dis. 100 15 12 74 Mar. 29,000 Manchester 100 25 27 70 Oct. 25,000 Monn & Glamors. 20 10 16 15 Aug.
POREIGN STOCKS.	2,00   Isle of Serk (Guernsey)   02   14   14   14   15   16   16   16   16   16   16   16	10,000 Irish Waste Land Co. 50 1 4 6 6 8,000 Lond. Rever. Inter. So. 50 10 6 6 6 1,800 London Corn Exchan 25 25 25 8,000 Lond. Caontehouc Co. 124 124 124 12 12 124	20,000 North & Southwates 10 5 174 166 5 - 10,000 Natl. Bank of Ireland 50 174 166 5 - 10,000 Nat. Provinci, Engl. 100 35 84; 5 Jan.
Austrian, 5 per Cent	6,000 Perran Consols 4: 44 19 19 49 3,000 Polberou Consols 10 10 1 1 1 5 6,000 Polbreen 5 4 1 1 1	50,000 Lond. Equit. Loan Co. 10 2 5000 London Cemetery Co. 20 12 10 10 10 20,000 Mexican South Amer. 10 7 64 64 64	86,000 Nor.&Cnt. B. of Eng. 10 10 3 5 Dec. 10,000 North Wilts 25 5 102 8 — 20,000 Froy. Bk. of treland 100 25 443 8 July
Brazilian 73 25 74 7 71 2 71 2 71 2 71 2 71 2 71 2 71 2	5,000 Redmoor Consolidated 5 44 24 2/2 10,000 Rhymney Iron	New Corh Ex	2,000,000 Boyal of Scotland 100 10 165 6 7,000 South African 50,000 8,000 South African 50,000 South 50,000 South African 50,000 South 50,00
Caba, 6 per Cest.  Chitian, 6 per Cent.  Colombian, 6 per Cent.  Ditto, 1824, ditto 374 2 324 324 324 324 32	10   10   4   4   4   4   4   4   4   4   4	2,533 Ditto New	4,000,000 Western of Scotland 200 40
Danish, 3 per Cent.	4.505 Tanuar Comsols. 5 8 2 13 12 6,000 Tin Croft 10 64 42 44 43 195 Trevaskus. 60 40 40 40 4,000 Tretoil 11 34 34 34 44 4,000 United Hills. 5 5 9 84 9	10,000 South Australian	GAS LIGHT AND COKE COMPANIES  10,000 Aniance
Mexican, 5 per Cent.   25g 6   25g	3.300 West Cork 50 56	CANALS.	5,000 British
Reapolitan, & per Cent, 1824  Peruvian, 6 per Cent	5,000 Wheal Brothers 20 20 4 4 5 5 5 5 5 5 5 6 00 Wh. Harm. & Montagne 10 10 3 25 3 6 6 000 Wicklow Copper 5 4 8 8 8 8 3 8 20 West Wheal Jowel 8 7 42 43 44	hares. courage.	928 Birmingham
Ditto, New 5 per Cent	3,870 West Wheat Jewel	1,760 Ashton and Oldham. 98 98 130 7 Sept. 1,482 Ashby-de-la-Zouch . 113 113 72 4 Oct. 720 Barusley	1,500 Brighton 20 20 104 34 Sept. 750 Do. New 20 18 9 34 — 2,471 Brighton, General 20 20 104 44 Nov.
Branish, 5 per Cent. Consols 292 304 292 304 304 294 292 4 294 4 2	FOREIGN MINES.	1,260 Basingstoke	363 Carlisle
Ditte, 24 per Cent 528 4 528	4,000 Alten Mining Company 15 124 11 11 11 10,000 Anglo Mexican Co 100 100 3 13 8,374 Do. Subscription 25 25 24 24 24	4,000 Do. & Liverpool Junet. 100 100 26 — 477 Bolton and Bury 550 250 6 Jan. 712 Bridgwater & Taunton 100 100 70 3 Aug. 400 Chelmer & Blackwater 100 100 101 4 Jan.	1,000 City of London
PRENSH FUNDS.	2,000 Bolanos	16,000 Carlisle	800 Coventry 25 25 24 — 200 Derby 50 50 — 180 Dover 50 50 — 600 Dudley 20 20 17 5 —
5 per Cent. Ann . 110f.65c, 110f.85c, 110f.85c	10,000 Bolivar	4,546 Croydon	4,509 Edinburgh Coal Gas
4 p r Cent. Ann	10,000 Candonga Mining Co.   20   78   61   66   66   10   10   10   10   10	2,0502 Dudley	4,000 Equitable
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IRIGH FUNDS, Oct. 24, 1839.	ciation	1,500 Grand Surrey   100   100	2,350 Independent
finite strain a finite strain and the strain and th	2,000 New Granada	1,960 Gloucester & Berkle   100   100	500 Liverpool
Ditto New   34 per ct. 10 2   Hilbernian Bank   25 0 9   24 k	2,500 Rio de Anori	100 Kepsington 100 100 10 25,328 Kennet and Avon 40 40 28 14 ept.	579 Portsea
The state of the s	Red New Serip	2.867 Leeds and Liverpool 100 100 750 30 Nov. 182 Leeds & Liverpi. New 80 16 - 545 Leicester	480 Rochdaic
New York 5 1855 29 9 Louisiana 5 1844, 7, 50, 2. 864 6	RAILWAYS.  2,500 Ayresoury   10   8, 66 64 66	550 Lisk, and Looc Un. 25 25	1,000 Shrewsbury 10
Pon asylva 5 1864   Erc Cent.   1866   124 1634	9,500 Birming, & Gloucester 100, 60 53, 33333 7,500 Birm, Brist, & Th. June, 26 15, 9 5 x 660 Bolton and Leigh, 100, 80, 61, 61, 61	700 Montgomeryshire 100 100 99 44 Aug. 250 Melvon Mewhray 100 100 200 10 July 500 Mersey and Irwell 100 100 560 25 Oct. 3.000 Macelesfield 100 100 51 2	400 Wakefield 25 25 25 14 Jan. 750 Warrington 20 20 20 1 Oct. 12,000 Westminster Chartered 50 50 58 5 Dec.
1808   Louisiana State   16 1870   1800, 62   Eank of Louisiana S 1870   1800, 62   N. Orieans   Conal & B. Co.   Maryland   6 1870   City Bank   Co.	641 Ditto i Shares 25 25 15,000 Bristol and Exeter 106 30 6 6 6 1,172 Cant. & Whitstable 50 50 350 Cheitenham 100 100 14 14 14	247 Neath 100 100 325 17 July 100 Nene Navig. Bds 100 100	200 Worthing 50 50 5 Aug.
Ohio	5,000 Chester & Birkennead at 5,000 Chester & Birkennead at 5,000 Chester and Crewe	2,400 Feak Forest	DOCKS.  600,1053 Commercial
COURSE OF EXCHANGE. FRIDAY, Oct. 25, 1839.	7,500 Chelten, & Gt. Western 100 U 2 4 44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5,669 Rochdale	East and West India Stock
PATION CONTROL TO THE PATION OF THE PA	8,000 Dublin and Kilkenny. 100 75 & 3 5 800 Durham Junction 100 199	700 Stafferd, & Worcester 140 140 650 36 July 500 Shrewbury 125 125 250 9 Nov. 300 Stourbridge 145 145 400 12 July	2,200 Bristol 147   147   74   2/19 Dec. 68,324 Ditto Notes 113   5 Nov.
Amateriam 12 7 12 4 2 4 2 4 12 14 12	2,640 Durham & Sunderland 50 50 43 4 4 3 3,000 Deptifed Junction	200 Stromiwater	11,000 Ditto Honds
Attona 18 184 Milan 31 31 Paris, 3 days' sight 25 30 3 274 25 3 Ventee, p. 6 A. L. 47 11	8,000 Edinburgh & Glasgov 50 20 13, 72 152 2,500 Forest of Dean	1,300 Thames & Severa blk. 160 100 36 2 June 1,150 Do. Do. red	Sud,000 Ditto Bonds
Marseilles 25 75 25 60 25 623 Naples 404 402 405 16	d,000 Glasg Pulsley, & Green. 25 11 10 10 10	8,149 Thannes and Medway 494 194 2 3,344 Bo. New 1,000 L0004 Warwick & Eir. 100 100 277 16 May	BRIDGES.
Vicana eff	Gosport Junction 50 10 10 10 10 10 10 10 10 10 10 10 10 10	980 Warwick and Napton 100 100 196 15 Nov. 6,000 Worcester & Birming. 78 78 76 4 Aug. 5,000 Wilts and Berks 674 673 28 14 May Sho Wyrley and Essington 125 125 714 5 Jan.	1,600 Hammersmith
Madrid	8,000 Hulland Selby	126 Wisheach 105 105 45	5,848 Vauxhall 704 704 198 Dec. 5,000 Waterloo 100 160 3 5,000 Do. old Annuities of 8l. 60 60 21 228 Feb. 5,000 Do. new do. of 7l. 40 49 214 1983 Feb.
PRICES OF METALS.	5,100 Liverpool & Manchester 100 - 0, 125 - 154 154 154 154 155 156 157 157 158 150 4 do	ASSURANCE COMPANIES.  2,600 Albion 500 50 73 34 Dec 50,000 Albione Brit. & Forel. 100 104 15 5 Oct.	5,000 Do. new do. of 74
Corrus, Brit.—Cake fes 92 0 0 inon, Brit.—Pig. No. 1 fes 6 0 d	Ditto New	50,000 Do. Marine 100 5 6 6 Jan. 24,000 Atlas 50 5 15½ å July 1,200 Birminghm Fire 250 55 107 5 May	4,800 Birmingham
cwt.) Man. tou 80 0 0 Boops tou 12 to 0 6.	Do. New	20,000 British Fire 250 50 40 4 Sep. 12,000 British Comercial 50 5 6 6 Dec. 5,000 Cler.Med. 8 Gen. Life 100 23 4 5 Aug. 4,000 County 106 10 42 23 Dec.	4,433 East London 100 100 100 100 4,000 Glasgow 50 50 50 5.500 Grand Junction 403 413 072 24 Jam.
Tex. Brit Blocks	, 666 Do. (New Serip), 20 7 54 54 54 54 54 54 54 54 54 54 55 56 56 56 56 56 56 56 56 56 56 56 56	20,000 Eagle 50 5 32 Oct. 200 Economic Life 100 250 400 5 Jan. A.000 Edinburgh Life 100 10 — 6 Jan.	5,400 Edinburgh Joint Stock 25 25 2,000 Kent. 100 100 454 2 Jan. 372 Liverpool Bootle 220 220 326 10 Jan. 1,500 New River Lond, Bridge
box. (1.x.x.2 2 0 . 2 4 0 Duty 20s. mks.) for 16 0 0 to 25 0 0 12, Wisters of the above Mks. as, less, all per ton. Russian com for 15 0 2, others 6s, less.	000 London GrandJunction   56   5	2,271 European Life 20 20 22 1½ Jan. 20,000 Ditto New 20 2 1½ 28 Jan. 2000,000 Globe Stock led 100 132 6 Dec. 20,000 Guardian 100 274 374 5 July	Water Annucles
the grant of the g	000 Manchester and Leeds 100 65 681 684 684 684 680 600 B3. (New) 50 13 212 21 214 600 600 Manchest South Union 100 5 212 213 214	7,500 Hercules	709 Portsmouth&Fatington 50 30 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Leas, diffe-Pig	000 Manchester & Oldham 100 2 2 17 17 1 100 Do. Extension 70 2 6 5 5 1 1 10	7,300 Imperial Life	1,360 York Building Co. L. P. 100 100 35 1714 Oct.
White (dry). for 27 c 0 Septem, For.—Cakes (dg. 27, p. 10. Do. (pd. in. oil) for 31 c c ton., for. for 10 c 12. Ringrish Sheets	000 Midland Counties 100 80 35 38 38 000 Newcastle and Carlisle 100 100 100 100 100 1	0,000 Law Life. 100 10 29 18 April	A33 Archw, and Kent Tn. 80 80 1 1 87
Pareign Span, (dr. 40s. per ton), 20 Quicksitvin (dr. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	000 Northern and Eastern 100 25 15 45 15 60 North Union 100 100 60 62 62 62 62 65 62 65 62 65 62 65 62 65 62 65 62 65 65 65 65 62 65 65 65 65 65 65 65 65 65 65 65 65 65	30,000 North British 200 10 201 8 June 31,000 National Life 100 5 11 8 July	2,000 Do. East India Dock Br. 100 100 3 3 1 47 492 Great Dover Str
Foreign Gold in Bars (standars) per os. 43 17 9	8t. Helen's & Runcorn 100 100	30,000 Paradium Life	LITERARY INSTITUTIONS.
New Bullars	000 South Durham 30 21 6 2 2	So, one Standard of England 50 5 . 5 May	400 Adeiaide Gal, of Seience 50
TIDE TABLE.  HIGH WATER AT LONDON BRIDGE from Oct 28 to Nov. 1   3.5	100 South Eastern 50 13 12 12 12 12 12 12 12 12 12 12 12 12 12	Sun	LONDON: Printed and Published by HENRY EXCLISE.
Morning Satur. Sunday. Mond   Tuesd.   Wedn.   Thurs.   Friday 5,0	who West Durbans 20 A 1	50 Westminster Life	Fleet-street, in the city of London; where all Com-
A THE PART OF THE	, , , , , , , , , , , , , , , , , , , ,		forwarded, post paid Satureay, Oct. 26, 1835.